SMITHSONIAN
LIBRARIES

SMITHSONIAN INSTITUTION LIBRARIES

8503
D58x
Eth

DIMMOCK'S SPECIAL BIBLIOGRAPHY, NO. 3.

THE

WRITINGS OF SAMUEL HUBBARD SCUDDER.

COMPILED AND EDITED BY GEORGE DIMMOCK.

SMITHSONIAN
LIBRARIES

CAMBRIDGE, MASS.:
PUBLISHED BY THE EDITOR.
Aug., 1879.

C

INTRODUCTORY.

For the third of these Special Bibliographies, I have compiled a list, supposed to be complete to the end of July 1879, of the writings of Mr. Samuel H. Scudder, of Cambridge, Mass. Mr. Scudder has aided me much in the preparation of this list, Mr. S. Henshaw has examined the proofs, and Dr. H. A. Hagen has allowed me the facilities offered by his large entomological library. I here give grateful acknowledgment to them and to others who have rendered assistance.

The titles of the first and second of these Special Bibliographies were printed on title-slips for use in library catalogs. The titles of Mr. Scudder's writings will be printed only in the accompanying form, and can be used on title-slips by cutting and pasting.

The necessity having arisen for a distinct recognition of the kind of notice a paper has received, I suggest the annexed scheme, adopted in the following pages:

1°.	Adversely critical,	indicated by	Crit. Rev.
2°.	Commendatory or doubtful,	"	" Rev.
3°. Neutral.	Mention of title and reference only,	"	" Note.*
	Synopsis, or description of contents,	"	" Notice.
	Tabulated synopsis, etc.,	"	" Abstract.
	A portion reprinted,	"	" Extract.
	Entire reprint,	"	" Reprint.
4°.	Advertisement,	"	" Advert.*

* Rarely noticed in my Special Bibliographies.

True separates, *i. e.* separates paged anew or with any additional matter, such as a new title page or title page cover, are indicated by the word Separate.

The fourth of these Special Bibliographies may not be issued for several years, the editor's other duties preventing him from employing his time in their supervision.

Corrections and additions will be thankfully received by the editor.

GEORGE DIMMOCK.

CAMBRIDGE, MASS., U. S. A., August 1879.

THE WRITINGS OF SAMUEL HUBBARD SCUDDER.

COMPILED AND EDITED BY GEORGE DIMMOCK.

[The style of printing, the frequency of repetition, and the peculiarities of punctuation and of capitalization in these special bibliographies are necessary, in order that the references may be pasted on title slips to be used in connection with the title slips adopted by the American Library Association. G. D.]

Scudder, Samuel Hubbard.

Born in Boston 13 April 1837. Graduated at Williams College in 1857, and at the Lawrence Scientific School of Harvard University in 1862. Mr. Scudder has, since that time, taken prominent part in the business of the Boston Society of Natural History, in which he has held the following offices: Recording Secretary, 1862–1870; Librarian, 1864–1870; Custodian, 1864–1865 and 1866–1870; and Vice President from 1874 to the present time [1879]. He has been Librarian of the American Academy of Arts and Sciences since 1877. Mr. Scudder resides in Cambridge, Mass.

1

[List of shells.]

(Williams quarterly, June 1858, v. 5, p. 359.)

Enumerates 28 species of terrestrial mollusks found at Williamstown, Mass.

2

[Report to the Boston Society of Natural History on the collection of insects of the late Dr. Thaddeus William Harris.]

(Proc. Bost. Soc Nat. Hist., July 1859, v. 7, p. 72.)

3

A chronological index to the entomological writings of Thaddeus William Harris, M. D.

(Proc. Bost. Soc. Nat. Hist., March 1860, v. 7, p. 213–222.)

Notice, (Wiener entomologische Monatschrift, 1861, v. 5, p. 61.)

Notice, (Bericht . . . der Entomologie, . . . Dr. Gerstaecker, 1859–1860, Ber., 1862, p. 41.)

List of 99 articles, mostly in agricultural publications.

4

[Remarks on the injury which the American white ant, *termes frontalis* Hald., does to living grape-vines.]

(Proc. Bost. Soc. Nat. Hist., June 1860, v. 7, p. 287–288.)

Notice, (Bericht . . . der Entomologie, . . . Dr. Gerstaecker, 1859–1860, Ber., 1862, p. 46.)

5

[Account of a recent visit to Lake Winnipeg and the Saskatchewan River.]

(Proc. Bost. Soc. Nat. Hist., Nov. 1860, v. 7, p. 356.)

Character of the river; occurrence of great numbers of cast-off skins of *ephemeridae*.

6

[Review of] Contributions to the natural history of the United States. By Louis Agassiz. Vol. III. Quarto. 1860. Little, Brown & Co.

(Bost. daily courier, 21 Dec. 1860 [⅔ col.].)

7

On the genus *raphidophora*, Serville; with descriptions of four species from the caves of Kentucky and from the Pacific coast.

(Proc. Bost. Soc. Nat. Hist., March 1861, v. 8, p. 6–14.)

Separate, [Bost., 19 March 1861,] 9 p., t 16 × 9.

Notice, (Bericht . . . der Entomologie, . . . Dr. Gerstaecker, 1861, Ber., 1863, p. 44.)

Notice, (Wiener entomologische Monatschrift, Feb. 1864, v. 8, p. 64.)

Synonymy of the species, descriptions of 4 new species.

8

Notice of some North American species of *pieris*.

(Proc. Bost. Soc. Nat. Hist., Sept. 1861, v. 8, p. 178–185.)

Separate, [Bost., Oct.,] 1861, 8 p., t 16 × 9.

Separate, [Bost., Oct. 1867,] 8 p., t 16 × 9. [First separate with one or two verbal alterations.]

Notice, (Bericht . . . der Entomologie, . . . Dr. Gerstaecker, 1861, Ber., 1863, p. 176–177.)

Notice, (Wiener entomologische Monatschrift, Feb. 1864, v. 8, p. 64.)

Synonymy of *p. oleracea*; descriptions of 5 new species. The second separate was from a reprint of a part of the Proc. Bost. Soc. Nat. Hist. made in 1867.

9

[Remarks on a destructive species of *aphis* (*a. granaria*) and on the army worm.]

(Proc. Bost. Soc. Nat. Hist., Nov. 1861, v. 8, p. 209.)

An *aphis*, probably *a. granaria*, observed at Oneida, N. Y. and in western Massachusetts. The army worm, although not that of the southern states, is not mentioned specifically.

Scudder, Samuel Hubbard.

10

[Remarks upon the division of the class of insects into orders, and its relations to other members of the branch of articulates, on considerations drawn from the external integument of the animal.]

(Proc. Bost. Soc. Nat. Hist., July 1862, v. 9, p. 69.)

Notice, (Bericht . . . der Entomologie, . . . Dr. Gerstaecker, 1862, Ber., 1865, p. 9.)

11

List of orthoptera collected on a trip from Assiniboiâ to Cumberland [British Amer.].

(Canadian naturalist and geologist, May [4 Dec.] 1862, v. 7, p. 283–288.)

Annotated list with descriptions of 4 new species.

12

On the genus *colias* in North America.

(Proc. Bost. Soc. Nat. Hist., Sept. 1862, v. 9, p. 103–111, 3 il.)

Notice, (Wiener entomologische Monatschrift, Feb. 1864, v. 8, p. 64.)

Notice, (Bericht . . . der Entomologie, . . . Dr. Gerstaecker, 1862, Ber., 1865, p. 162.)

Notes on known species; descriptions of 3 new species, *c. labradorensis, c. interior* and *c. occidentalis.*

13

[Report upon the collection of insects.]

(Annual rept. Trustees Museum Comparative Zool., . . . 1862, Bost., 1863, p. 29–35.)

(Senate [Massachusetts], . . . no. 32, Bost., 1863, p. 29–35.)

14

Materials for a monograph of the North American orthoptera, including a catalogue of the known New England species.

(Bost. journ. nat. hist., Nov. 1862, v. 7, p. 409–480, fig. 1–5.)

With t.-p. cover, entitled, Materials for a monograph of the North American orthoptera, Cambridge, printed by H. O. Houghton, [13 Dec.] 1862, p. 409–480, t 16 × 9.2, fig. 1–5.

Notice, (Wiener entomologische Monatschrift, Feb. 1864, v. 8, p. 60–61.)

Notice, (Bericht . . . der Entomologie, . . . Dr. Gerstaecker, 1862, Ber., 1865, p. 36–37, 41–44.)

General remarks, table of genera, list and descriptions of species, including descriptions of new genera and species, index of genera and species.

15

[List of *haemylumidae* in F. W. Putnam's List of the fishes sent by the museum to different institutions, in exchange for other specimens, with annotations.]

(Bull. Museum Comparative Zool., [28 April] 1863, v. 1, p. 12–13.)

16

[Remarks on the distribution of butterflies in North America.]

(Proc. Bost. Soc. Nat. Hist., April 1863, v. 9, p. 178.)

17

A list of the butterflies of New England.

(Proc. Essex Inst., [11 May] 1863, v. 3, p. 161–179.)

Notice, (Wiener entomologische Monatschrift, 1863, v. 7, p. 328.)

Notice, (Bericht . . . der Entomologie, . . . Dr. Gerstaecker, 1863–1864, Ber., 1866–1867, p. 360.)

Enumerates 81 species; describes a few new *hesperidae.*

18

[An account of the structure of *pogonia ophioglossoides* Nutt., and of the probable manner in which its fertilization is effected.]

(Proc. Bost. Soc. Nat. Hist., April [6 May] 1863, v. 9, p. 182–185.)

19

[Notice of the operations of a minute *platygaster*, which attacks the egg of the canker-worm moth, *anisopteryx vernata* Harr.]

(Proc. Bost. Soc. Nat. Hist., April 1863, v. 9, p. 185.)

20

[Remarks on the history of the parasite (*ophion cecropiae* Harr.) which attacks the *hyalophora cecropia* Dunc.]

(Proc. Bost. Soc. Nat. Hist., April 1863, v. 9, p. 188–189.)

21

[Remarks upon the structure of the head in hexapod insects.]

(Proc. Bost. Soc. Nat. Hist., June 1863, v. 9, p. 210.)

22

[Remarks on a specimen of *sphinx cinerea* Harr., which had died in confinement while passing from the larval to the pupal state.]

(Proc. Bost. Soc. Nat. Hist., June 1863, v. 9, p. 212–213.)

Notice, (Bericht . . . der Entomologie, . . . Dr. Gerstaecker, 1863–1864, Ber., 1866–1867, p. 74.)

23

[Account of the distinct zones of life on high mountains, as illustrated in the entomology of the White Mountains of New Hampshire.]

(Proc. Bost. Soc. Nat. Hist., July [17 Aug.] 1863, v. 9, p. 230–232.)

24

[Letter to Dr. H. Behr on the distribution of *danais* in the Pacific islands.]

(Proc. Cal. Acad. Nat. Sci., 1863, v. 3, p. 47.)

Scudder, Samuel Hubbard.

25

Remarks on some characteristics of the insect-fauna of the White Mountains, New Hampshire.

(Bost. journ. nat. hist., Nov. 1863, v. 7, p. 612–631, pl. 14–15.)

With t.-p. cover, Camb., Nov. [10 Dec.] 1863, p. 612–631, pl. 14–15, t 16 × 9.2.

Notice, (Wiener entomologische Monatschrift, 1864, v. 8, p. 369.)

Notice, (Revue et magasin de zoologie, 1864, s. 2, v. 16, p. 408–409.)

Notice, (Bericht . . . der Entomologie, . . . Dr. Gerstaecker, 1863–1864, Ber., 1866–1867, p. 113, 131, 360.)

Divides the fauna into mountain, sub-alpine and alpine, giving a map showing the boundaries of each; describes and figures all the stages of *chionobas semidea*, and describes and figures *argynnis montinus* and *pezotettix glacialis*, the latter a new species

26

[On the devonian insects of New Brunswick. Letter to Mr. C. F. Hartt.]

(Observations on the geol. of southern New Brunswick, . . . Printed by order of the House of Assembly, Frederickton, G. E. Fenety, . . . 1865, p. 140–141.)

Separate, [n. t.-p., and n. d. except that of the letter, 11 Jan. 1865] 1 p. t 22.3 × 12.5.

(Amer. journ. sci. and arts, May 1865, s. 2, v. 39, p. 357–358.)

(Canadian naturalist and geologist, June 1865, n. s., v. 2, p. 234–236.)

(Trans. Entomological Soc. Lond., 1864–1866, s. 3, v. 2, Proc. p. 117–118.)

Notice, (Bericht . . der Entomologie, . . . Dr. Gerstaecker, 1865–1866, hf. 1, Ber., 1868, p. 63.)

Brief notice of the fossil insects of New Brunswick, the oldest known forms.

27

[Remarks on ancient pottery obtained by the late Rev. D. C. Scudder, from megalithic cysts in Periaculam, Madura District, South India.]

(Proc. Bost. Soc. Nat. Hist., March 1865, v. 9, p. 357–367, 10 il.)

Four letters and an account given in the mission "Tapal Book" by the Rev. D. C. Scudder, and a letter from the Rev. W. B. Capron, all describing trips to places where ancient pottery was obtained. Figures of 10 jars.
Reprinted in S. H. Scudder's "An account of the discovery of megalithic cysts near Madura, South India, . . ."

28

An account of the discovery of megalithic cysts near Madura, South India, with descriptions of specimens of ancient pottery contained in them; principally from extracts of letters written by the Rev. David C. Scudder and the Rev. William B. Capron, missionaries of the American Board of Commissioners for Foreign Missions. Read before the Boston Society of Natural History by Samuel H. Scudder. Bost., . . . [3 April] 1865. 12 p. 23 × 14.5, t 15 × 9.

A reprint with t.-p. cover and new title of S. H. Scudder's "[Remarks on ancient pottery obtained by the late Rev. D. C. Scudder, . . .]"

29

Revision of the hitherto known species of the genus *chionobas* in North America.

(Proc. Entomological Soc. of Phil., 1865, v. 5, p. 1–28, il.)

Separate with t.-p. cover, Phil., July 1865, 28 p. t 16.5 × 9.8, il.

Notice, (Zool. rec. for 1865, 1866, v. 2, p. 574, 593.)

Notice, (Bericht . . . der Entomologie, . . . Dr. Gerstaecker, 1865–1866, hf. 2, Ber., 1869, p. 74–75.)

Describes 7 species and compares them with each other.

30

On the fossil insects from Illinois, the *miamia* and *hemeristia*, described in vol. xxxvii of this journal, at page 34. (From a letter to Prof. J. D. Dana.)

(Amer. journ. sci. and arts, Sept. 1865, s. 2, v. 40, p. 268–271.)

Notice, (Bericht . . . der Entomologie, . . . Dr. Gerstaecker, 1865–1866, hf. 1, Ber., 1868, p. 63.)

31

[Remarks on the ravages of a small coleopterous insect, allied to *tomicus eruditus*, Westwood.]

(Proc. Bost. Soc. Nat. Hist., Sept. 1865, v. 10, p. 13–14.)

Ravages of the above-mentioned insect in the leather binding of a volume of pamphlets.

32

[Remarks on the tertiary rocks of Matanzas, Cuba, and on the physical geography of the Isle of Pines.]

(Proc. Bost. Soc. Nat. Hist., Nov. 1865, v. 10, p. 47–49.)

33

[Remarks on some fossil insects from the carboniferous formation of Illinois and from the devonian rocks of New Brunswick.]

(Proc. Bost. Soc. Nat. Hist., Dec. 1865, v. 10, p. 95–96.)

Abstract of S. H. Scudder's "[On the devonian insects of New Brunswick. . . .]" and "On the fossil insects from Illinois, the *miamia* . . ."

34

[Report of the custodian at the annual meeting of the Boston Society of Natural History.]

(Proc. Bost. Soc. Nat. Hist., Feb. 1866, v. 10, p. 109–153.)

(Condition and doings of the Bost. Soc. Nat. Hist., as exhibited . . . May 1865, Bost., 1865, p. 3–48.)

Condition of library, meetings and papers presented, members, publications, museum and its accessions, subscribers to funds, officers, Walker prizes, societies to whom publications are sent.

35

Notes upon some *odonata* from the Isle of Pines.

(Proc. Bost. Soc. Nat. Hist., Feb. 1866, v. 10, p. 187–198.)

Rev., (Repertorio fisico-natural de la Isla de Cuba, Sept. 1866, v. 1, p. 406–407.)

Rev., (Revision der von Herrn Scudder beschriebenen Odonaten, von Dr. H. Hagen. — Entomologische Zeitung, . . . zu Stettin, 1867, v. 28, p. 96–100.)

Notice, (Zool. rec. for 1866, 1867, v. 3, p. 523, 530–531.)

Rev., (The odonat-fauna of the island of Cuba. By Dr. H. Hagen, Königsberg, Prussia. — Proc. Bost. Soc. Nat. Hist., March 1868, v. 11, p. 289–294.)

Notice, (Bericht . . . der Entomologie, . . . Dr. Gerstaecker, 1865–1866, hf. 1, Ber., 1868, p. 75.)

Describes and gives notes on 16 (5 new) species. See also S. H. Scudder's "Additional remarks upon the *odonata* . . ."

36

Notes on some *odonata* from the White Mountains of New Hampshire.

(Proc. Bost. Soc. Nat. Hist., April 1866, v. 10, p. 211–222.)

Notice, (Zool. rec. for 1866, 1867, v. 3, p. 523, 530–531.)

Rev., (Revision der von Herrn Scudder beschriebenen Odonaten, von Dr. H. Hagen. — Entomologische Zeitung, . . . zu Stettin, 1867, v. 28, p. 96–100.)

Rev., (Proc. Bost. Soc. Nat. Hist., March 1868, v. 11, p. 294.)

Notice, (Bericht . . . der Entomologie, . . . Dr. Gerstaecker, 1865–1866, hf. 1, Ber., 1868, p. 75.)

Describes 10 (8 new) species with especial reference to coloration. See also S. H. Scudder's "Additional remarks upon the *odonata* . . ."

37

[List of the butterflies of Labrador.]

(Proc. Bost. Soc. Nat. Hist., Dec. 1866–Jan. 1867, v. 11, p. 32–33.)

List of 15 species in Dr. Alpheus Spring Packard's "View of the lepidopterous fauna of Labrador."

38

An inquiry into the zoological relations of the first discovered traces of fossil neuropterous insects in North America; with remarks on the difference of structure in [*corr.*] the wings of living neuroptera.

(Mem. Bost. Soc. Nat. Hist., Dec. 1866, v. 1, p. 173–192, pl. 6.)

Separate, Boston [9 Jan. 1867], 20 p., 1 pl., t 22 × 16.

Rev., (Zool. rec. for 1867, 1868, v. 4, p. 436.)

Notice, (Amer. journ. sci. and arts, May 1867, s. 2, v. 43, p. 411.)

Notice, (Amer. naturalist, July 1867, v. 1, p. 269–270.)

Notice, (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1867, p. 875.)

Comparison of *miamia bronsoni* and *hemeristia occidentalis* with allied groups of living insects; descriptions of the wings of allied families; characters of the families *palaeopterina* and *hemeristina*, of the genera *miamia* and *hemeristia*, and descriptions and figures of *m. bronsoni* Dana and of *h. occidentalis* Dana. See also S. H. Scudder's "On the fossil insects from Illinois, the *miamia*. . . ."

39

A novel depredator [*termes*] of the grape vine.

(Amer. journ. horticulture, Feb. 1867, v. 1, p. 154–157.)

See also S. H. Scudder's "[Remarks on the injury which the American white ant, *termes frontalis* Hald., does to living grape-vines.]"

40

Supplement to the descriptions and figures of the *araneides* of the United States. By the late Nicholas Marcellus Hentz. [Introductory remarks and editing by Mr. Scudder.]

(Proc. Bost. Soc. Nat. Hist., May 1867, v. 11, p. 103–111, 2 pl.)

Separate, entitled, Supplement to the descriptions and figures of the *araneides* of the United States. By Nicholas Marcellus Hentz. Edited by Samuel H. Scudder. From the Proceedings of the Boston Society of Natural History, vol. xi. With two plates. Bost., 1868, 11 p., 2 pl., t 15 × 9.

Consists of drawings by Mr. Hentz, belonging to the Bost. Soc. Nat. Hist. Embodied in Occasional papers of the Bost. Soc. Nat. Hist., ii. Bost., 1875.

41

[Dipterous larvae in lakes impregnated with petroleum.]

(Proc. Bost. Soc. Nat. Hist., May 1867, v. 11, p. 111.)

42

[Results of an examination of a small collection of fossil insects obtained by Prof. William Denton in the tertiary beds of Green River, Colorado.]

(Proc. Bost. Soc. Nat. Hist., June 1867, v. 11, p. 117–118.)

Notice, (Zool. rec. for 1868, 1869, v. 5; 1869, 1870, v. 6, p. 180.)

Abstract by Mr. Scudder, (The mines of Colorado, by O. J. Hollister, Springfield, Mass., 1867, p. 380–383.)

Abstract, (Amer. naturalist, March 1867, v. 1, p. 56.)

43

[Remarks on *mormolucoides articulatus*, a fossil larva from the Connecticut River sandstone.]

(Proc. Bost. Soc. Nat. Hist., July 1867, v. 11, p. 140.)

Scudder, Samuel Hubbard.

44

[Notice of fossil insects from the devonian rocks of New Brunswick, and of *haplophlebium barnesii*.]

(Proc. Bost. Soc. Nat. Hist., July 1867, v. 11, p. 150–151.)

Abstract, (Amer. naturalist, Oct. 1867, v. 1, p. 445–446.)

Notice, (Zool. rec. for 1868, 1869, v. 5, p. 193.)

45

[Exhibition of species of *pezotettix* and a specimen of *thecla clothilde* Edw.]

(Proc. Bost. Soc. Nat. Hist., July 1867, v. 11, p. 160.)

46

[Report of the custodian at the annual meeting of the Boston Society of Natural History.]

(Proc. Bost. Soc. Nat. Hist., July–Aug. 1867, v. 11, p. 161–178.)

(Condition and doings of the Bost. Soc. Nat. Hist. as exhibited . . . May 1867, Bost., 1867, p. 2–20.)

47

[Chronological catalogue of the scientific writings of Dr. Augustus Addison Gould.]

(Proc. Bost. Soc. Nat. Hist., Aug. 1867, v. 11, p. 197–205.)

(Condition and doings of the Bost. Soc. Nat. Hist., as exhibited . . . May 1867, Bost., May 1867, p. 63–71.)

Records 116 titles of publications.

48

[Remarks upon the mouth-parts of articulated animals.]

(Proc. Essex Inst., 1866–1867 [Oct. 1867], v. 5, p. 89.)

49

Descriptions of fossil insects in "On some remains of palaeozoic insects recently discovered in Nova Scotia and New Brunswick. By J. W. Dawson."

(Canadian naturalist and geologist, May 1867 [Jan. 1868], n. s. v. 3, p. 202–206, fig. 1–5.)

(Geol. mag., 1867, v. 4, p. 385–388, pl. 17, fig. 1–5.)

Abstract, (Amer. journ. sci. and arts, July 1867, s. 2, v. 44, p. 116.)

Notice, (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1867, p. 874–875.)

Nearly the same as S. H. Scudder's [Descriptions of fossil insects].

See no 73.

50

The insects of ancient America.

(Amer. naturalist, Feb. 1868, v. 1, p. 625–631, pl. 16.)

Notice, (Zool. rec. for 1868, 1869, v. 5, p. 193.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 43.)

51

An insect destructive to squash-vines.

(Amer. journ. horticulture, Feb. 1868, v. 3, p. 80–82.)

Describes and figures *epilachna borealis*, of the family *coccinellidae*.

52

Additional remarks upon the *odonata* of the Isle of Pines and of the White Mountains of New Hampshire.

(Proc. Bost. Soc., Nat. Hist., March [15 April] 1868, v. 11, p. 298–300.)

Notice, (Zool. rec. for 1868, 1869, v. 5, p. 383–384, 386.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 47.)

Synonymy of the species in S. H. Scudder's "Notes on some *odonata* from the Isle of Pines," and "Notes on some *odonata* from the White Mountains of New Hampshire."

53

[*Pieris rapae* captured at Lewiston, Maine.]

(Proc. Bost. Soc. Nat. Hist., March [15 April] 1868, v. 11, p. 300.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 9.)

54

The songs of the grasshoppers.

(Amer. naturalist, May 1868, v. 2, p. 113–120.)

Notice, (Zool. rec. for 1868, 1869, v. 5, p. 384, 389.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 38–39.)

Figures the wings of several species of stridulating orthoptera and illustrates with wood-cuts the music of 7 species.

55

Notes on the stridulation of some New England orthoptera.

(Proc. Bost. Soc. Nat. Hist., April 1868, v. 11, p. 306–313.)

Separate, [Bost., 6 May 1868,] 8 p., t 16 × 9, il.

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 38–39, 39, 40, 41.)

Contains 9 wood-cuts of the music of different orthoptera.

56

[Remarks on the stridulation of grasshoppers.]

(Proc. Bost. Soc. Nat. Hist., April [6 May] 1868, v. 11, p. 316.)

57

[Remarks on a curious specimen of *diapheromera femorata*.]

(Proc. Bost. Soc. Nat. Hist., April [6 May] 1868, v. 11, p. 325.)

Notice, (Amer. naturalist, June 1868, v. 2, p. 221.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 42.)

A specimen of *d. femorata* in which lost limbs had been replaced.

Scudder, Samuel Hubbard.

58

[Remarks on Dr. Packard's paper, concerning the development of *diplax*.]

(Proc. Bost. Soc. Nat. Hist., May 1868, v. 11, p. 372.)

59

Supplement to a list of the butterflies of New England.

(Proc. Bost. Soc. Nat. Hist., May 1863, v. 11, p. 375–384.)

Separate, no cover or t.-p., [Bost., May 1868] p. 375–384, t 15 × 9.

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 8, 9, 10, 11, 12, 13.)

Notice, (Zool. rec. for 1869, 1870, v. 6, p. 343, 363, 372, 378, 379.)

Adds 12 species to his list of 1863, including 4 new species of *hesperia*; notes concerning the times of appearance of the species.

60

[Considerations drawn from the study of mole-crickets.]

(Proc. Bost. Soc. Nat. Hist., May–April [16 May] 1868, v. 11, p. 384–387.)

(Entomological notes, i, by S. H. Scudder, p. 1–4.)

(Annals and mag. nat. hist., Feb. 1869, s. 4, v. 3, p. 162–164.)

(Amer. journ. sci. and arts, Nov. 1868, s. 2, v. 46, p. 417–419.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 39.)

Description and separation of the genera *gryllotalpa* and *scapteriscus*, the latter a new genus; classification and geographical distribution and deductions therefrom.

61

[On the rank of the families of orthoptera.]

(Proc. Bost. Soc. Nat. Hist., April [16 May] 1868, v. 11, p. 390.)

(Entomological notes, i, by S. H. Scudder, p. 5.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 38.)

Saltatorial rank higher than non-saltatorial orthoptera.

62

[Notice of some new butterflies from Iowa.]

(Proc. Bost. Soc. Nat. Hist., May 1868, v. 11, p. 401.)

(Entomological notes, i, by S. H. Scudder, p. 6.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 8.)

Brief descriptions of 3 new species.

63

[Remarks on two new fossil insects from the carboniferous formation in America.]

(Proc. Bost. Soc. Nat. Hist., May 1868, v. 11, p. 401–403.)

(Entomological notes, i, by S. H. Scudder, p. 7–9.)

(Amer. journ. sci. and arts, Nov. 1868, s. 2, v. 46, p. 419–421.)

Notice, (Amer. naturalist, Sept. 1868, v. 2, p. 390.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 40, 47.)

Notice, (Bericht . . . der Entomologie, . . . F. Brauer, 1867–1868, hf. 1, Ber. 1870, p. 19.)

Describes a neuropteron, *megathentomum pustulatum*, and an orthopteron, *archegogryllus priscus*.

64

[On an orthopterous insect, probably a species of *xiphidium*, which deposits its eggs in the stem of the cotton plant.]

(Proc. Bost. Soc. Nat. Hist., May 1868, v. 11, p. 435.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 40.)

65

[Description of a new species of butterfly from Florida.]

(Proc. Bost. Soc. Nat. Hist., May 1868, v. 11, p. 435–436.)

(Entomological notes, i, by S. H. Scudder, p. 10–11.)

Describes *thecla juanita*, a new species allied to *t. halesus*.

66

[Note on the eggs and egg-cases of *caloptenus spretus*.]

(Proc. Bost. Soc. Nat. Hist., May 1868, v. 11, p. 436.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 41.)

67

[Report of the custodian at the annual meeting of the Boston Society of Natural History.]

(Proc. Bost. Soc. Nat. Hist., June 1868, v. 12, p. 1–66.)

(Condition and doings of the Bost. Soc. Nat. Hist. as exhibited . . . May 1868, Bost., [16 May] 1868, p. 3–68.)

68

Professor Agassiz in Brazil.

(Journ. travel and nat. hist., Lond., May 1868, v. 1, p. 37–40.)

(Every saturday, . . . 7 March 1863, v. 5, p. 303–304.)

Review of Prof. and Mrs. Louis Agassiz' "Journey in Brazil."

Scudder, Samuel Hubbard.

69

Check-list of the butterflies of New England. Bost., [27 May] 1868, 7 p., 13.5×7.7, t 11×6.8.

Second edition, with a circular, Bost., 1868 [8 April 1869], 8 p., 13.5×7.7, t 11×6.8.

Notice of circular, (Amer. entomologist, May 1869, v. 1, p. 185.)

Reprint of circular, (New England farmer, 12 June 1869, v. 24, no. 24.)

Reprint of circular, (Maine farmer, 1869.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 8, 13.)

The list enumerates 95 species. The circular in the second edition is an appeal for specimens to use in preparing a work on the butterflies of New England.

70

Symmetry and homology in limbs.

(Journ. travel and nat. hist., Lond., June 1868, v. 1, p. 112–115.)

A review of Jeffries Wyman's "On symmetry and homology in limbs."

71

Entomological notes. 1. [From the Proceedings of the Boston Society of Natural History, 1868, v. 11, Bost., 1868, n. t.-p.] 11 p., 24×15, t 15×9.

Contents: [Considerations drawn from the study of mole-crickets], p. 1–4; [On the rank of the families of orthoptera], p. 5; [Notice of some new butterflies from Iowa], p. 6; [Remarks on two new fossil insects from the carboniferous formation in America], p. 7–9; [Description of a new species of butterfly from Florida], p. 10–11. For more detailed notes see each separate title.

72

Considerations drawn from the study of the orthoptera of North America.

(Proc. Amer. Assoc. for the Advancement of Sci., 1867 [20 July 1868], [v. 16] p. 151–153.)

Notice, (Canadian naturalist and geologist, Jan. [Oct.] 1868, n. s., v. 3, p. 293.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 38.)

Notice, (Amer. naturalist, Nov. 1867, v. 1, p. 500.)

The geographical distribution of orthoptera in North America compared with their distribution in Europe.

73

[Descriptions of fossil insects.]

(Acadian geology, . . . by John William Dawson, ed. 2, Lond., 1868, p. 387–388, 524–526; fig. 152–153, 181–184.)

Notice, (Manual of palaeontology, . . . Henry Alleyne Nicholson, Edinb. and Lond., 1872, p. 185–186.)

Descriptions and figures of 6 new species of fossil insects. Differs, by slight additions, from S. H. Scudder's Descriptions of fossil insects in "On some remains of palaeozoic insects . . ."

See also no. 49.

74

[Brief account of the migratory grasshoppers of the United States.]

(Proc. Bost. Soc. Nat. Hist., July [12 Sept.] 1868, v. 12, p. 87–88.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 41.)

Notes on *caloptenus femur-rubrum* and *c. spretus*.

75

The fossil insects of North America.

(Geol. mag., April 1868, v. 5, p. 172–177; May 1868, v. 5, p. 216–222.)

Abstract, (Quart. journ. sci., July 1868, v. 5, p. 409.)

Abstract, (Popular sci. rev., July 1868, v. 7, p. 318–319.)

A review of 87 species of fossil insects of North America and tables of the strata in which fossil insects have been found in North America. This paper was read, in abstract, before the Amer. Assoc. Advanc. Sci., at its sixteenth meeting in 1867, but is not in the list of papers read (Proc. A. A. A. S., 1867 [v. 16], p. v). As read at the A. A. A. S., it is noticed in Amer. naturalist, Dec. 1867, v. 1, p. 557, and in Canadian naturalist and geologist, Jan. [Oct.] 1868, n. s., v. 3, p. 293.

76

[Experiments upon the reproduction of lost limbs in the walking-stick, *diapheromera femorata*.]

(Proc. Bost. Soc. Nat. Hist., Oct. 1868, v. 12, p. 99.)

(Entomological notes, ii, by S. H. Scudder, p. 1.)

Abstract, (Scientific opinion, Dec. 1869, v. 2, p. 576.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 42.)

77

[Chalciditans attacking eggs of *oedipoda carolina*.]

(Proc. Bost. Soc. Nat. Hist., Oct. 1868, v. 12, p. 99.)

(Entomological notes, ii, by S. H. Scudder, p. 1.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 41.)

Since named *caloptenobia orivora* by C. V. Riley (First annual rept. U. S. Entomological Commission . . . 1877, Wash., 1878, p. 305–395).

78

Descriptions of fossil insects, found on Mazon Creek, and near Morris, Grundy Co., Ill.

(Geol. surv. Illinois, . . . Geology and Palaeontology, . . . 1868, v. 3, p. 566–572, fig. 1–10.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 42–43.)

Describes 9 new carboniferous species, naming 8.

Scudder, Samuel Hubbard.

79

A century of orthoptera. Decade i. — *Gryllides.*

(Proc. Bost. Soc. Nat. Hist., Nov. 1868, v. 12, p. 139–143.)

(Entomological notes, ii, by S. H. Scudder, p. 2–6.)

(A century of orthoptera [1879], by S. H. Scudder, p. 3–7.)

Notice, (Zool. rec. for 1868, 1869, v. 5, p. 383, 391–392.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 39–40.)

Describes 1 new genus and 10 new species.

80

[Marks left by glaciers.]

(Proc. Bost. Soc. Nat. Hist., Dec. 1868, v. 12, p. 151.)

81

[Remarks on the life of Dr. Ebenezer Emmons.]

(Proc. Bost. Soc. Nat. Hist., Jan. 1869, v. 12, p. 216.)

82

Catalogue of the orthoptera of North America described previous to 1867. Prepared for the Smithsonian Institution.

(Smithsonian misc. col., no. 189, 1868, v. 8.)

With t.-p. cover and t.-p., Wash., Smiths. Inst., Oct. 1868 [12 Jan. 1869], 20 + 89 p., 25 × 15, t 16 × 9.2.

Rev., (Amer. naturalist, March 1869, v. 3, p. 47.)

Notice, (Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 37–38.)

Notice, (Amer. journ. sci. and arts, May 1869, s. 2, v. 47, p. 435–436.)

Notice, (Zool. rec. for 1868, 1869, v. 5, p. 382, 389.)

Contains list of authorities, p. v–xx; alphabetical index to North American orthoptera, enumerating in the alphabetical order of the genera 1092 specific names, with references to descriptions and to localities where the species are found, p. 1–85; tabular arrangement of the genera, p. 87–89.

83

[Remarks upon the arrangement of the families of orthoptera.]

(Proc. Bost. Soc. Nat. Hist., Feb. 1869, v. 12, p. 228–235.

(Entomological notes, ii, by S. H. Scudder, p. 7–14.)

Notice, (Rec. Amer. entomology for 1869, ed. by A. S. Packard, jr., Salem, Mass., 1870, p. 52.)

Notice, (Zool. rec. for 1869, 1870, v. 6, p. 458.)

Notice, (Bericht . . . der Entomologie, . . . F. Brauer, 1869, Ber., 1871, p. 45–46.)

Reviews the classifications previously proposed and proposes a new classification similar to that of Burmeister.

84

Revision of the large stylated, fossorial crickets. Memoir 1, Peabody Academy of Science, Salem, Mass., March 1869. 28 + 2 p., 30 × 20, t 20 × 12.2; 1 pl., t 23.5 × 13.5.

Rev., (Amer. naturalist, May 1869, v. 3, p. 151.)

Rev., (Amer. journ. sci. and arts, May 1869, s. 2, v. 47, p. 436.)

Notice, (Rec. Amer. entomology for 1869, ed. by A. S. Packard, jr., Salem, Mass., 1870, p. 53.)

Notice, (Zool. rec. for 1869, 1870, v. 6, p. 457, 468–469.)

Notice, (Bericht . . . der Entomologie, . . . F. Brauer, 1869, Ber., 1871, p. 45, 49.)

Describes the species of *scapteriscus* and *gryllotalpa*, including 4 new species of the former and 2 of the latter genus.

85

Occasional papers of the Boston Society of Natural History. 1. Boston: Printed for the Society. 1869. || Entomological correspondence of Thaddeus William Harris, M. D. Edited by Samuel H. Scudder. Boston: Boston Society of Natural History. [24 March] 1869. por., 47 + 375 p., 4 pl. 23.5 × 15. t 15.5 × 9.7.

Crit. Rev., (Amer. entomologist, June 1869, v. 1, p. 204–205.)

Rev., (Amer. journ. sci. and arts, July 1869, s. 2, v. 48, p. 143–144.)

Rev., (Amer. naturalist, Aug. 1869, v. 3, p. 323–324.)

Rev., Canadian naturalist and quart. journ. sci., Sept. 1869, n. s., v. 4, p. 332–336.)

Notice, (Rec. Amer. entomology for 1869, ed. by A. S. Packard, jr., Salem, Mass., 1870, p. 10, 20, 21, 22, 23, 25, 26, 29, 35, 37, 40, 50–51, 58, 60.)

Notice, (Zool. rec. for 1869, 1870, v. 6, p. 171, 337, 355, 362, 371, 377, 382, 383, 384, 386, 388, 390, 391, 393, 400, 406–407, 410, 412, 414, 452, 471, 503.)

Notice, (Bericht . . . der Entomologie, . . . F. Brauer, 1869, Ber., 1871, p. 38, 51, 53, 57, 72, 127–128, 161, 171, 174.)

86

New work on the butterflies of New England.

Canadian entomologist, April 1869, v. 1, p. 82.)

Appeal for specimens to aid in preparing a work on New England butterflies.

87

List of the writings of Thaddeus William Harris, M. D.

(Memoir of Thaddeus William Harris, by Thomas Wentworth Higginson, Boston, 1869, p. 38–47.)

(Occasional papers Bost. Soc. Nat. Hist., 1, ed. by S. H. Scudder, p. xxxviii–xlvii.)

Enumerates 114 papers.

Scudder, Samuel Hubbard.

88

[Note on Prof. James Orton's expedition to South America.]

(Proc. Bost. Soc. Nat. Hist., April 1869, v. 12, p. 320–321.)

89

Notes on orthoptera collected by Professor James Orton on either side of the Andes of equatorial South America.

(Proc. Bost. Soc. Nat. Hist., April [April–May] 1869, v. 12, p. 330–345.)

(Entomological notes, ii, by S. H. Scudder, p. 15–30.)

Notice, (Zool. rec. for 1869, 1870, v. 6, p. 457, 458, 461, 469–470, 471.)

Notice, (Rec. Amer. entomology for 1869, ed. by A. S. Packard, jr., Salem, Mass., 1870, p. 52, 53, 53–54, 54, 55–56, 56.)

Describes 5 new genera and 30 new species, notes on 10 other species.

90

A study of the gigantic lobe-crested grasshoppers of South and Central America.

(Proc. Bost. Soc. Nat. Hist., April [4 May] 1869, v. 12, p. 345–355.)

(Entomological notes, ii, by S. H. Scudder, p. 31–41.)

Notice, (Rec. Amer. entomology for 1869, ed. by A. S. Packard, jr., Salem, Mass., 1870, p. 55.)

Notice, (Zool. rec. for 1869, 1870, v. 6, p. 457, 470.)

Describes the new genera *tropidacris*, *titanacris* and *lophacris*, and gives the synonymy of those species of *acridium* which are assigned to the new genera.

91

An illustrated work on the butterflies of New England.

(Amer. naturalist, May 1869, v. 3, p. 148–149.)

Notice, (Rec. Amer. entomology for 1869, ed. by A. S. Packard, jr., Salem, Mass., 1870, p. 13.)

Appeal for specimens to use in preparing a work on the butterflies of New England.

See also nos. 92, 99, 104, 119.

92

The butterflies of New England.

(Amer. naturalist, June 1869, v. 3, p. 212–213.)

(Canadian entomologist, June 1869, v. 1, p. 101–102.)

Notice, (Rec. Amer. entomology for 1869, ed. by A. S. Packard, jr., Salem, Mass., 1869, p. 13.)

Hints on obtaining eggs of butterflies, distinguishing males of butterflies, request for lists of butterflies from different localities to aid in preparing a work on the butterflies of New England.

See also nos. 91, 99, 104, 119.

93

Report upon a collection of diurnal lepidoptera made in Alaska by the scientific corps of the Russo-American Telegraph Expedition under the direction of Lieut. W. H. Dall.

(Proc. Bost. Soc. Nat. Hist., May [9 June] 1869, v. 12, p. 404–408.)

(Entomological notes, ii, by S. H. Scudder, p. 42–46.)

Notice, (Rec. Amer. entomology for 1869, ed. by A. S. Packard, jr., Salem, Mass., 1870, p. 13, 15, 16, 17.)

Notice, (Archiv für Naturgeschichte, 1871, v. 37, ii, p. 242, 247, 250.)

Notes on 12 species, descriptions of 2 new species.

94

[Notice of a new cave insect from New Zealand.]

(Proc. Bost. Soc. Nat. Hist., May [9 June] 1869, v. 12, p. 408–409.)

(Entomological notes, ii, by S. H. Scudder, p. 47–48.)

Notice, (Rec. Amer. entomology for 1869, ed. by A. S. Packard, jr., Salem, Mass., 1870, p. 54.)

Notice, (Zool. rec. for 1869, 1870, v. 6, p. 469.)

Describes a new cave locust, *hadenoecus edwardsii*, from New Zealand. Notes on the 2 other species of *hadenoecus*.

95

"Cabbage worm." [*Pieris rapae.*]

(New England farmer, 12 June 1869, v. 24, no. 24.)

96

[Letter concerning a geometrid larva and one of the May-flies.]

(New England farmer, 26 June 1869, v. 24, no. 26.)

97

[Notice of the distribution of *cynthia lavinia* Harris.]

(Amer. naturalist, July 1869, v. 3, p. 280.)

98

Food plants of New England butterflies.

(Amer. naturalist, Aug. 1869, v. 3, p. 330–331.)

Notice, (Rec. Amer. entomology for 1869, ed. by A. S. Packard, jr., Salem, Mass., 1870, p. 13.)

99

[Circular indicating the species of larvae received for illustration in the work in preparation on the New England butterflies.] Bost., 11 Aug. 1869, 1 p., 25 × 20, t 20 × 14.2.

See also nos. 91, 104, 119.

100

Lepidoptera rhopalocera.

(Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., [12 Aug.] 1869, p. 6–13.)

Records the literature on American diurnal lepidoptera for 1868.

101

Orthoptera.

(Rec. Amer. entomology for 1868, ed. by A. S. Packard, jr., Salem, Mass., [12 Aug.] 1869, p. 37–43.)

Records the literature on American orthoptera for 1868.

Scudder, Samuel Hubbard.

102

Entomological notes. II. From the Proceedings of the Boston Society of Natural History, vol. xii, 1868–69. [n. t.-p., Bost., 12 Aug. 1869] 48 p., 24 × 15, t 15 × 9.

Contents: [Experiments upon the reproduction of lost limbs in the walking-stick, *diapheromera femorata*], p. 1; [Chalcidians attacking eggs of *oedipoda carolina*], p. 1; A century of orthoptera, first decade. — *gryllides*, p. 2–6; [Remarks upon the arrangement of the families of orthoptera], p. 7–14; Notes on orthoptera collected by Professor James Orton on either side of the Andes of equatorial South America, p. 15–30; A study of the gigantic lobe-crested grasshopper of South and Central America, p. 31–41 Report upon a collection of diurnal lepidoptera made in Alaska . . . , p. 42–46; [Notice of a new cave insect from New Zealand], p. 47–48. For more detailed notes see each separate title.

103

[Notes on *pieris rapae*.]

(New England farmer, 11 Sept. 1869, v. 24.)

104

Scudder's "Butterflies of New England."

(Canadian entomologist, Oct. 1869, v. 2, p. 20–21.)

Notice, (Rec. Amer. entomology for 1869, ed. by A. S. Packard, jr., Salem, Mass., 1870, p. 13.)

Request for specimens of diurnal lepidoptera to use in preparing the above mentioned work.

See also no. 91.

105

[Report of the custodian at the annual meeting of the Boston Society of Natural History.]

(Proc. Bost. Soc. Nat. Hist., Aug.–Sept. 1869, v. 13, p. 1–67.)

(Condition and doings of the Bost. Soc., Nat. Hist. as exhibited . . . May 1869, Bost., [6 Oct.] 1869, p. 1–67.)

106

Descriptions of new species of orthoptera in the collection of the American Entomological Society.

(Trans. Amer. Entomological Soc., April [22 Oct.] 1869, v. 2, p. 305–307.)

Notice, (Bericht . . . der Entomologie, . . . F. Brauer, 1869, Ber., 1871, p. 47, 51.)

Notice, (Zool. rec. for 1869, 1870, v. 6, p. 457, 471.)

Notice, (Rec. Amer. entomology for 1869, ed. by A. S. Packard, jr., Salem, Mass., 1870, p. 52, 54, 55, 56.)

Describes 6 North American species.

107

[Remarks upon the manuscripts and entomological memoranda left by the late Dr. Thaddeus William Harris.]

(Proc. Bost. Soc. Nat. Hist., Dec. 1869 [3 Jan. 1870], v. 13, p. 167–168.)

108

On the fossil myriopods of the coal formations of Nova Scotia and England. (Communicated by Sir Charles Lyell, . . .) (Abstract.)

(Quart. journ. Geol. Soc. Lond., 23 June [Nov.] 1869, v. 25, p. 441.)

109

A preliminary list of the butterflies of Iowa.

(Trans. Chicago Acad. Sci., Jan. 1870, v. 1, p. 326–337.)

Notice, (Rec. Amer. entomology for 1870, ed. by A. S. Packard, jr., Salem, Mass., 1871, p. 4, 6, 7, 8.)

Notice, (Zool. rec. for 1869, 1870, v. 6, p. 343, 377–378, 379.)

Annotated list of 46 species and mention of 5 others found later; describes 4 new species, viz.: *chrysophanus dione, apatura proserpina, nisoniades martialis* and *hesperia iowa*. See also S. H. Scudder's "[Notice of some butterflies from Iowa], 1868, in which 3 of the 4 above mentioned species are described. For some additions to this list see Henry W. Parker's "Iowa butterflies" (Amer. entomologist and botanist, April 1870, v. 2, p. 175).

110

[On the external genital armature in the males of the North American species of the genus *nisoniades*.]

(Proc. Bost. Soc. Nat. Hist., Feb. 1870. v. 13, p. 206–207.)

Notice, (Rec. Amer. entomology for 1870, ed. by A. S. Packard, jr., Salem, Mass., 1871, p. 8.)

111

[On *eudamus pylades*, the *eudamus bathyllus* of Harris.]

(Proc. Bost. Soc. Nat. Hist., Feb. 1870, v. 13, p. 207.)

Notice, (Rec. Amer. entomology for 1870, ed. by A. S. Packard, jr., Salem, Mass., 1871, p. 8,)

Notice, (Archiv. für Naturgeschichte, 1871, v. 37, ii, p. 254.)

Notice, (Zool. rec. for 1870, 1871, v. 7, p. 397.)

112

Description of the larva and chrysalis of *papilio rutulus* [corr. in errata to *papilio eurymedon*] Boisd., of California.

(Proc. Bost. Soc. Nat. Hist., March 1870, v. 13, p. 221–222.)

(Entomological notes, iii, by S. H. Scudder, p. 1–2.)

Notice, (Scientific opinion, 20 April 1870, v. 3, p. 375.)

Notice, (Rec. Amer. entomology for 1870, ed. by A. S. Packard, jr., Salem, Mass., 1871, p. 7.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 14.)

113

On the synonymy of *thecla calanus*.

(Proc. Bost. Soc. Nat. Hist., Aug. 1870, v. 13, p. 272–276.)

(Entomological notes, iii, by S. H. Scudder, p. 3–7.)

Notice, (Rec. Amer. entomology for 1870, ed. by A. S. Packard, jr., Salem, Mass., 1871, p. 6.)

Notice, (Archiv für Naturgeschichte, 1871, v. 37, ii, p. 253.)

Notice, (Zool. rec. for 1870, 1871, v. 7, p. 370, 393, 395.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 14.)

Scudder, Samuel Hubbard.

114

[On *grapta crameri*, a new species.]

(Proc. Bost. Soc. Nat. Hist., Aug. 1870, v. 13, p. 276.)

Notice, (Rec. Amer. entomology for 1870, ed. by A. S. Packard, jr., Salem, Mass., 1871, p. 6.)

Notice, (Zool. rec. for 1870, 1871, v. 7, p. 386, 387.)

115

On asymmetry in the appendages of hexapod insects, especially as illustrated in the lepidopterous genus *nisoniades*. [With Edward Burgess.]

(Proc. Bost. Soc. Nat. Hist., Aug. and Nov. 1870, v. 13, p. 282–306, 1 pl., t 34 × 24.5.)

(Entomological notes, iii, by S. H. Scudder, p. 7–31, 1 pl. t 34 × 24.5.)

Separate, entitled, On asymmetry in the appendages of hexapod insects. t.-p. + p. 282–306, 23 × 14, t 15 × 9; 1 pl., t 34 × 24.5.

Rev., (Amer. naturalist, Sept. 1871, v. 5, p. 420–421.)

Notice, (Rec. Amer. entomology for 1870, ed. by A. S. Packard, jr., Salem, Mass., 1871, p. 4, 7–8.)

Notice, (Archiv. für Naturgeschichte, 1871, v. 37, ii, p. 254; 1873, v. 39, ii, p. 361.)

Notice, (Zool. rec. for 1870, 1871, v. 7, p. 370, 396, 398; for 1871, 1873, v. 8, p. 217–218.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 14.)

Divides *nisoniades* into 8 groups according to the structure of the external genital organs. Describes and figures 16 (9 new) North American species of *nisoniades*.

116

Is mimicry advantageous?

(Nature, 22 Dec. 1870, v. 3, p. 147.)

Discusses mimicry of *danais archippus* and *limenitis misippus*, and its purposes.

117

Lepidoptera rhopalocera.

(Rec. Amer. entomology for 1869, ed. by A. S. Packard, jr., Salem, Mass., 1870, p. 12–18.)

118

Orthoptera.

(Rec. Amer. entomology for 1869, ed. by A. S. Packard, jr., Salem, 1870, p. 52–56.)

119

Scudder's work on New England butterflies.

(Amer. naturalist, Feb. 1871, v. 4, p. 760–761.)

Request for specimens and notes to use in preparing a work on New England butterflies.

See also no. 91.

120

[Report of the custodian at the annual meeting of the Boston Society of Natural History.]

(Proc. Bost. Soc. Nat. Hist., Nov. 1870–March 1871, v. 13, p. 307–309.)

121

Mount Washington.

(Nature, 20 April 1871, v. 3, p. 487.)

Corrects statements made as to the height of Mt. Washington, N. H.

122

The Tanis stone: a new trilingual.

(Amer. naturalist, Oct. 1871, v. 5, p. 664.)

Briefly describes the trilingual stone found near Tanis, on the eastern branch of the Nile.

123

On the embryonic larvae of butterflies.

(Entomologist's monthly mag., Nov. 1871, v. 8, p. 122–126.)

Separate, [Lond., Nov. 1871] p. 122–126, 22 × 14, t 18 × 10.

(Canadian entomologist, March 1872, v. 4, p. 45–49.)

Abstract, (Amer. naturalist, March 1872, v, 6, p. 169–170.)

Notice, (Rec. Amer. entomology for 1871, ed. by A. S. Packard, jr., — Fourth annual rept. Peabody Acad. Sci. — Salem, Mass., 1872, p. 106, 108, 109, 110, 111.)

Notice, (Zool. rec. for 1871, 1873, v. 8, p. 351.)

Notice, (Archiv für Naturgeschichte, 1873, v. 39, ii, p. 354–355.)

"It is the purpose of the present communication to point out the probable universality of this law — that caterpillars of butterflies present greater structural differences between the embryonic and adult stages of the same individual, than are to be found in the adult larvae of allied genera." The illustrations are all from New England species.

124

Rearing butterflies from the egg.

(Canadian entomologist, Sept.–Oct. 1870, v. 2, p. 156–157.)

Notice, (Rec. Amer. entomology for 1870, ed. by A. S. Packard, jr., Salem, Mass., 1871, p. 4.)

125

Hymenopterous parasites in a beetle.

(Amer. naturalist, Dec. 1871, v. 5, p. 788–789.)

Notice, (Rec. Amer. entomology for 1871, ed. by A. S. Packard, jr., — Fourth annual rept. Peabody Acad. Sci. — Salem, Mass., 1872, p. 103.)

126

A new catalogue of butterflies.

(Amer. naturalist, March 1872, v. 6, p. 160–163.)

A review of W. F. Kirby's "Synonymic catalogue of diurnal lepidoptera."

Scudder, Samuel Hubbard.

127

A systematic revision of some of the American butterflies, with brief notes on those known to occur in Essex county, Mass.

(Fourth annual rept. [1871] Peabody Acad. Sci., Salem, Mass., 1872, p. 24–83.)

Separate, Salem, Mass., [April] 1872, 62 p., 25 × 15, t 15 × 9.2.

Rev. and Abstract, (Amer. naturalist, June 1872, v. 6, p. 354–359.)

Crit. rev., (Canadian entomologist, Nov. 1872, v. 4, p. 212–213.)

Rev., (Canadian entomologist, Nov. 1872, v. 4, p. 214–216; April 1873, v. 5, p. 62–63; Aug. 1873, v. 5, p. 143–145.)

Notice, (Canadian entomologist, Nov. 1872, v. 4, p. 218.)

[Rev., (Canadian entomologist, Nov. 1872, v. 4, p. 218.)]

Rev., (Amer. naturalist, Dec. 1872, v. 6, p. 764.)

Notice, (Rec. Amer. entomology for 1872, ed. by A. S. Packard, jr., — Fifth annual rept. Peabody Acad. Sci. — Salem, Mass., 1873, p. 107, 108, 109, 110.)

Notice, (Trans. Entomological Soc., Lond., n. s. [s. 2], 1872, Proc., p. 28.)

Crit. rev., (Trans. Entomological Soc., Lond., n. s. [s. 2], 1872, Proc , p. 76–77.)

Crit. rev., (Canadian entomologist, Jan. 1873, v. 5, p. 8–10.)

Crit. rev., (Canadian entomologist, Jan. 1873, v. 5, p. 18.)

Crit. rev., (Canadian entomologist, Feb. 1873, v. 5, p. 21–36.)

Rev., (Canadian entomologist, April 1873, v. 5, p. 70–71.)

Crit. rev., Canadian entomologist, June 1873, v. 5, p. 108–109.)

Rev., (Canadian entomologist, Sept. 1873, v. 5, p. 166–168.)

Notice, (Archiv für Naturgeschichte, 1873, v. 39, ii, p. 366, 370, 371.)

[Rev., (Canadian entomologist, Jan. 1874, v. 6, p. 18–19.)]

Notice, (Zool. rec. for 1872, 1874, v. 9, p. 337, 338, 339, 342–343, 345, 347, 349, 350, 351, 352, 353.)

Crit. rev., (Canadian entomologist, March 1876, v. 8, p. 41–52; May 1876, v. 8, p. 81–94; June 1876, v. 8, p. 113–119.)

Crit. rev., (Canadian entomologist, Aug. 1876, v. 8, p. 141–148.)

Crit. rev., (Canadian entomologist, Dec. 1876, v. 8, p. 232–238.)

128

Description d'un nouveau papillon fossile (*satyrites reynesii*) trouvé à Aix en Provence.

(Revue et magasin de zoologie, Feb. 1872, s. 2, v. 23, p. 66–72, pl. 7.)

Separate, Paris, [June] 1872, 7 p., pl. 7, t 15.3 × 8.3.

Notice, (Trans. Entomological Soc., Lond., 1872, n. s. [s. 2], Proc., p. 57.)

Notice, (Zool. rec. for 1872, 1874, v. 9, p. 348.)

Notice, (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1873, p. 560.)

Abstract, tr. by H. Woodward, entitled, Description of a new fossil butterfly (*satyrites reynesii*), found at Aix in Provence, (Geol. Mag., Dec. 1872, v. 9, p. 532–533, fig. 2–3 of pl. 13.)

Separate, with t.-p. cover, entitled, On a new fossil butterfly, Lond., Trübner, 1872, 2 p., 1 pl., 22 × 14, t 16.5 × 9.6.

129

Canons of systematic nomenclature for the higher groups.

(Amer. journ. sci. and arts, May 1872, s. 3, v. 3, p. 348–351.)

Separate, [New Haven, Ct., June] 1872, 4 p., 23 × 15, t 17 × 10.

(Canadian entomologist, March 1873, v. 5, p. 55–59.)

Crit. rev., (Canadian entomologist, March 1876, v. 8, p. 41–52; May 1876, v. 8, p. 81–94; June 1876, v. 8, 113–119.)

130

Fossil man in France.

(Amer. naturalist, June 1872, v. 6, p. 373.)

131

The curious history of a butterfly [*brenthis bellona*].

(Amer. naturalist, Sept. 1872, v. 6, p. 513–518.)

Separate, [Salem, Mass., 5 Oct. 1872] 6 p., 24 × 15, t 17 × 9.7.

Notice, (Zool. rec. for 1872, 1874, v. 9, p. 343.)

Notice, (Rec. Amer. entomology for 1872, ed. by A. S. Packard, jr., — Fifth annual rept. Peabody Acad. Sci. — Salem, Mass., 1873, p. 107, 108.)

"There are two sets of individuals, each following its own cycle of changes, apparently with as little to do with the other set as if it were a different species; each set has its own distinct seasons and thus gives rise to the apparition of two or three successive 'broods' in the course of the year." Explanation of the apparent broods. See also S. H. Scudder's "Seltsame Geschichte eines Tagfalters . . ." [1873].

132

Orthoptera [preserved from mould].

(Canadian entomologist, Jan. 1872, v. 4, p. 20.)

Boxes lined with aloe-pith (pith from *agave*) preserved orthoptera free from mould, while specimens not thus protected moulded under the same circumstances.

133

Abbott's notes on Georgian butterflies.

(Canadian entomologist, April 1872, v. 4, p. 73–77; May 1872, v. 4, p. 84–87.)

Notice, (Rec. Amer. entomology for 1872, ed. by A. S. Packard, jr., — Fifth annual rept. Peabody Acad. Sci. — Salem, Mass., 1873, p. 107.)

A transcription from Abbott's mss., in the British Museum, of the notes relative to such diurnal lepidoptera as are found in the United States. List of the plants which accompany the butterflies figured by Smith-Abbot in their work on the Insects of Georgia.

134

A variety of *pieris rapae* unknown in Europe.

(Canadian entomologist, April 1872, v. 4, p. 79.)

Notice, (Rec. Amer. entomology for 1872, ed. by A. S. Packard, jr., — Fifth annual rept. Peabody Acad. Sci. — Salem, Mass., 1873, p. 107, 109.)

Notice, (Zool. rec. for 1872, 1874, v. 9, p. 340.)

Notes the appearance of a yellow variety of *pieris rapae* in New England. See also S. H. Scudder's "Note . . . du *pieris rapae* (*novangliae*)" [April 1873], and G. J. Bowles' "Notes on *pieris rapae*" (Canadian entomologist, June 1872, v. 4, p. 102–105.)

See no. 142.

135

Fossil insects from the Rocky Mountains.

(Amer. naturalist, Nov. 1872, v. 6, p. 665–668.)

Notice, (Rec. Amer. entomology for 1871, ed. by A. S. Packard, jr., — Fourth annual rept. Peabody Acad. Sci. — Salem, Mass., 1873, p. 101, 117, 120, 123, 130, 131, 132, 133.)

Notice, (Archiv. für Naturgeschichte, 1873, v. 39, ii, p. 251.)

Notice, (Zool. rec. for 1872, 1874, v. 9, p. 226.)

Notice, (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1873, p. 668.)

Notice, (Trans. Entomological Soc. Lond., n. s. [s. 2], 1874, Proc., p. 47, 48.)

General remarks on the insects collected by Mr. F. C. A. Richardson, in the tertiary beds of of Green River, Wyoming.

136

[Report of the meeting of the Swiss association of naturalists, at Fribourg, in August 1872.]

(Amer. naturalist, Nov. 1872, v. 6, p. 712–715.)

A brief account of the meeting of the Societe helvetique des sciences, signed *Special correspondent.*

137

Notes on the orthoptera collected by Dr. F. V. Hayden in Nebraska.

(Final rept. U. S. Geol. Surv. of Nebraska, . . . F. V. Hayden, Wash., 1872, [pt. 3] p. 247–261.)

Notice, (Rec. Amer. entomology for 1872, ed. by A. S. Packard, jr., — Fifth annual rept. Peabody Acad. Sci. — Salem, Mass., 1673, p. 130, 131, 132, 133.)

Contents: List of the 25 species observed in Nebraska, and remarks on the devastating grasshoppers (*caloptenus femur-rubrum, c. spretus* and *oedipoda atrox*) of North America.

138

Metamorphoses of butterflies.

(Amer. naturalist, July 1873, v. 7, p. 437.)

Announces a paper to be published by Dr. H. C. C. Burmeister.

139

An aquatic bombycid moth.

(Amer. naturalist, Aug. 1873, v. 7, p. 493–494.)

Mentions an aquatic lepidopterous larva from Cayenne.

140

[Note sur la présence des stemmates dans des papillons diurnes.]

(Annales Soc. Entomologique de France, 1873, s. 5, v. 3, Bulletin, p. 52–53.)

Notice, (Zool. rec. for 1873, 1875, v. 10, p. 387.)

Essentially the same as S. H. Scudder's "[Ocelli in butterflies]."

See nos. 141, 162.

141

Ocelli in butterflies.

(Amer. naturalist, Aug. 1873, v. 7, p. 490.)

Essentially the same as S. H. Scudder's "[Ocelli in butterflies]."

See nos. 140, 162.

142

[Note sur une variété du *pieris rapae* (*novangliae*).]

(Bull. Soc. Entomologique de France, 21 April 1873, no. 1, p. 4–5.)

(Annales Soc. Entomologique de France, 1873, s. 5, v. 3, Bulletin, p. 57.)

(Nouvelles notices entomologiques, par Maurice Girard, Paris, 1878, s. 3, p. 37–38.)

See no. 134.

143

On the carboniferous myriapods preserved in the sigillarian stumps of Nova Scotia.

(Mem. Bost. Soc. Nat. Hist., [24 July] 1873, v. 2, p. 231–239.)

Separate, with t.-p. cover, Bost., 1873, p. 231–239, 30 × 22.5, t 22 × 16.

Notice, (Amer. journ. sci. and arts, Sept. 1873, s. 3, v. 6, p. 225–226.)

Notice, (Rec. Amer. entomology for 1873, ed. by A. S. Packard, jr., — Sixth annual rept. Peabody Acad. Sci. — Salem, Mass., 1873, p. 114.)

Notice, (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1876, p. 891.)

See also S. H. Scudder's "Supplementary note on fossil myriapods." [1876]

144

Tentamen determinationis digestionis atque denominationis singularum stirpium lepidopterorum, peritis ad inspiciendum et dijudicandum communicatum, a Jacobo Hübner. (Reprinted in facsimile by Samuel H. Scudder. — Cambridge, U. S. A., 1873.) One sheet, [2 p.] 24.8 × 17, t 21.5 × 14.5.

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 368.)

Rev., (Canadian entomologist, March 1876, v. 8, p. 41–52; May 1876, v. 8, p. 81–94; June 1876, v. 8, p. 113–119.)

Scudder, Samuel Hubbard.

145

[Letter declining to serve on a committee on nomenclature chosen by the entomologists of the American Association for the Advancement of Science in 1873.]

(Canadian entomologist, Nov. 1873, v. 5, p. 214.)

146

Seltsame Geschichte eines Tagfalters aus dem American Naturalist, September, Vol. vi. 1872, übersetzt und mit Bemerkungen versehen von Dr. Ad. Speyer in Rhoden.

(Verhandlungen der k.-k. zoologisch-botanischen Gesellschaft in Wien, 1873, v. 23, p. 145–152.)

Separate, [Vienna, 1873] 8 p., t 17 × 10.5.

(Deutsche entomologische Zeitschrift, [Ber.] 1875, v. 19, p. 145–155.)

Notice, (Psyche, June 1875, v. 1, p. 78.)

Contains a note by Mr. Scudder in addition to what was published in the American naturalist. See S. H. Scudder's "The curious history of a butterfly . . ." [Sept. 1872].

147

[Notes on the fossil insects found at the "petrified fish cut," Green River.]

(Sun pictures of Rocky Mountain scenery, . . . by F. V. Hayden, . . . N. Y., 1870, p. 98.)

148

North American grasshoppers.

(Amer. naturalist, Jan. 1874, v. 8, p. 53–54.)

Review of Cyrus Thomas' "Synopsis of the *acrididae* of North America, which forms pt. 1, of v. 5 of F. V. Hayden's "Report of the U. S. geological survey of the territories."

149

The two principal groups of *urbicolae* (*hesperidae* auct.).

(Bull. Buffalo Soc. Nat. Sci., Dec. 1873 [April 1874], v. 1, p. 195–196.)

Separate, [Buffalo, 19 Jan. 1874], 2 p., t 17 × 10.

Notice, (Psyche, July 1874, v. 1, p. 11.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 393.)

Divides the *urbicolae* into *hesperides* and *astyci*.

150

Note on the species of *glaucopsyche* from eastern North America.

(Bull. Buffalo Soc. Nat. Sci., Dec. 1873 [April 1874], v. 1, p. 197–198.)

Separate, [Buffalo, 19 Jan. 1874], 2 p., t 17 × 10.

Notice, (Psyche, July 1874, v. 1, p. 11.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 390.)

Synonymy of the species.

151

[Exhibition of a portrait of John Abbot.]

(Proc. Bost. Soc. Nat. Hist., Dec. 1873 [3 Feb. 1874], v. 16, p. 112.)

152

[Explanation of a collection of orthopterological illustrations arranged as a card catalogue.]

(Proc. Bost. Soc. Nat. Hist., Dec. 1873 [3 Feb. 1874], v. 16, p. 112.)

153

[On an English fossil insect supposed to be lepidopterous.]

(Proc. Bost. Soc. Nat. Hist., Dec. 1873 [3 Feb. 1874], v. 16, p. 112.]

154

Science in the United States. From the French of Alphonse De Candolle.

(Amer. naturalist, Feb. 1874, v. 8, p. 98–102.)

Extract translated from Alphonse De Candolle's "Histoire des sciences et des savants depuis deux siecles," with introductory note by Mr. Scudder.

155

The food-plants of European butterflies.

(Canadian entomologist, Feb. [7 March] 1874, v. 6, p. 21–25.)

Notice, (Psyche, Jan. 1875, v. 1, p. 39.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 371.)

Food plants of 101 European diurnal lepidoptera collated from J. H. Kaltenbach's "Die Pflanzen-Feinde aus der Classe der Insecten." pt. 1–2.

See no. 171.

156

[Review of "Our common insects," by Alpheus Spring Packard, jr.]

(Atlantic monthly, April [12 March] 1874, v. 33, p. 496–497.)

157

In the laboratory with Agassiz. By a former pupil.

(Every saturday, 4 April [25 March] 1874, n. s., v. 1, p. 369–370.)

Separate, Boston, for the Agassiz' memorial, teachers' and pupils' fund," 10 April 1874, 4 p., t 16 × 9.

Description of the first few days spent by Mr. Scudder in Agassiz' laboratory, illustrating his methods of instruction. This was reprinted in many daily and weekly papers, e. g., Scientific American, Boston daily globe, Methodist, N. Y. observer; and in some educational monthlies.

158

Girard's Insects.

(Amer. naturalist, April 1874, v. 8, p. 221–222.)

Review of Maurice Girard's "Les insectes. . . . Introduction, coleopteres, avec atlas de 60 planches," Paris, 1873.

Scudder, Samuel Hubbard.

159

[Rabbit eats.]

(Proc. Bost. Soc. Nat. Hist., Jan. [15 April] 1874, v. 16, p. 114.)

Descriptive of the Manx-cat, a variety of the common cat, often called in New England the "rabbit cat."

160

[On some recent remarks by Mr. Raphael Meldola upon *iphiclides ajax* (*papilio ajax* auct.).]

(Proc. Bost. Soc. Nat. Hist., Jan. [15 April] 1874, v. 16, p. 117–119.)

(Entomological notes, iii, by S. H. Scudder, p. 32–33.)

(Annals and mag. nat. hist., Feb. 1874, s. 4, v. 13, p. 186–188.)

Rev. and reply, by Meldola, (Annals and mag. nat. hist., Sept. 1874, s. 4, v. 14, p. 239–240.)

Notice, (Psyche, May 1874, v. 1, p. 3.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 377.)

Points out an error in Mr. Meldola's statement (Annals and mag. nat. hist., 1873, v. 12, p. 301-307) that in the three forms of *iphiclides ajax* "the size of the variety is directly instead of inversely proportional to the ratio of the pupal to the larval period and *vice versa*." See also S. H. Scudder's "The natural history of a polymorphic butterfly."

See no. 163.

161

[Food-plant of *oeneis semidea*.]

(Proc. Bost. Soc. nat. hist., Jan. [15 April] 1874, v. 16, p. 119.)

Notice, (Psyche, May 1874, v. 1, p. 4.)

162

[Ocelli in butterflies.]

(Proc. Bost. Soc. Nat. Hist., March [15 April] 1874, v. 16, p. 165–166.)

(Entomological notes, iii, by S. H. Scudder, p. 33–34.)

Notice, (Psyche, June 1874, v. 1, p. 7.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 394.)

Contrary to a statement made by Klug, in a memoir published in 1831 by the Berlin Academy of Science, that rhopalocerous lepidoptera have no ocelli, *lerema accius* and the male of *l. pattenii* have a single ocellus in the middle of the front.

See no. 140.

163

The natural history of a polymorphic butterfly.

(Amer. naturalist, May [29 April] 1874, v. 8, p. 257–266.)

Notice, (Psyche, Nov. 1874, v. 1, p. 28.)

Life history of *iphiclides ajax*, and with it a repetition of the matter contained in S. H. Scudder's "[On some recent remarks by Mr. Raphael Meldola upon *iphiclides ajax* (*papilio ajax* auct.)]."

See no. 160.

164

English names for butterflies.

(Psyche, May 1874, v. 1, p. 2–3; July 1874, v. 1, p. 10–11; Dec. 1874, v. 1, p. 31; Jan. 1875, v. 1, p. 40; Feb. 1875, v. 1, p. 43–44; March 1875, v. 1, p. 56.)

Crit. rev., (Canadian entomologist, Sept. 1874, v. 6, p. 163–164.)

Proposes English names for 77 species of North American diurnal lepidoptera.

165

The preservation of caterpillars by inflation.

(Amer. naturalist, June [22 May] 1874, v. 8, p. 321–326, fig. 76–77.)

(Canadian entomologist, June 1874, v. 6, p. 107–111.)

Notice, (Psyche, Nov. 1874, v. 1, p. 28, 39.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 371.)

Mode of inflating and drying the skins of caterpillars.

166

[On the proposed scientific survey of Massachusetts.]

(Amer. naturalist, June 1874, v. 8, p. 377–379.)

Editorial remarks, without signature, on the memorial presented to the legislature of Massachusetts, by the American Academy of Arts and Sciences, asking a topographical, geological and zoological survey of that state.

167

Collecting in the White Mountains.

(Psyche, June 1874, v. 1, p. 7, and map.)

Map giving the limits of the alpine and subalpine faunal regions of the vicinity of Mt. Washington, N. H., extracted from S. H. Scudder's "The distribution of insects in New Hampshire." [1871]

168

[Review of "The butterflies of North America," by W. H. Edwards.]

(Atlantic monthly, July [17 June] 1874, v. 34, p. 113–115.)

169

[On John Abbot's drawings of Georgian insects.]

(Proc. Bost. Soc. Nat. Hist., June [July] 1874, v. 16, p. 295.)

Notice, (Psyche, May 1875, v. 1, p. 70.)

170

[*Argynnis polaris* taken on the Polar Expedition.]

(Proc. Bost. Soc. Nat. Hist., July 1874, v. 16, p. 305.)

See S. H. Scudder's "A north Greenland butterfly."

171

The food-plants of European butterflies. Second notice.

(Canadian entomologist, July 1874, v. 6, p. 126–127.)

Notice, (Psyche, Jan. 1875, v. 1, p. 39.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 371.)

Food plants of 39 European diurnal lepidoptera collated from J. H. Kaltenbach's "Die Pflanzen-Feinde aus der Classe der Insecten," pt. 3.

See no. 155.

172

[On the proposed scientific survey of Massachusetts.]

(Proc. Bost. Soc. Nat. Hist., Sept. 1874, v. 16, p. 373.)

173

Arrest of development [in a larva of *papilio cresphontes*].

(Psyche, July 1874, v. 1, p. 12.)

174

Two new fossil cockroaches from the carboniferous of Cape Breton.

(Canadian naturalist, July 1874, n. s., v. 7, p. 271–272, 2 fig.)

Notice, (Amer. journ. sci. and arts, Aug. 1874, s. 3, v. 8, p. 143.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 460.)

Notice, (Archiv. für Naturgeschichte, 1875, v. 41, ii, p. 210.)

Notice, (Psyche, March–April [24 Sept.] 1878, v. 2, p. 127.)

Describes 2 new species.

175

The distribution of insects in New Hampshire

(The geology of New Hampshire, . . . C. H. Hitchcock, state geologist, J. H. Huntington, principal assistant, Concord, N. H., 1874, pt. 1, p. 331–380, pl. A–C, fig. 46–58.)

With t.-p. cover, index, and subtitle as follows, A chapter from the 1st volume of the final report upon the geology of New Hampshire. Concord.[N. H.], Edward A. Jenks, state printer, 1874 [2 Jan. 1875], p. 331–384 [+ 1], pl. A–C, fig. 46–58, 26.5 × 19.2, t 19 × 11.5.

Notice, (Canadian entomologist, Jan. 1875, v. 7, p. 20.)

Notice, (Amer. journ. sci. and arts, March 1875, s. 3, v. 9, p. 232.)

Rev., (Amer. naturalist, June 1875, v. 9, p. 309.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 375, 377, 378, 381, 386, 459.)

Notice, (Psyche, Feb. [6 March] 1876, v. 1, p. 140.)

General considerations, p. 331–344; list of butterflies of New Hampshire, with notes on their geographical distribution, p. 344–362; list of the orthoptera of New Hampshire, with notes on their geographical distribution and mode of stridulation, p. 362–380; index, p. 381–384.

176

Early spring butterflies at the White Mountains.

(Psyche, Aug. 1874, v. 1, p. 13–14; Sept. 1874, v. 1, p. 18–19.)

Rev., (Canadian entomologist, Feb. 1877, v. 9, p. 40.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 382.)

Record of species captured.

177

The Linnean signification of the generic term *papilio*.

(Canadian entomologist, Aug. 1874, v. 6, p. 143–145.)

Crit. rev., (Canadian entomologist, Sept. 1874, v. 6, p. 163–166.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 381.)

Notice, (Psyche, April 1876, v. 1, p. 156.)

178

Rhopalocerous lepidoptera.

(Rec. Amer. entomology for 1873, ed. by A. S. Packard, jr., — Sixth annual rept. Peabody Acad. Sci. — Salem, Mass., [Sept.] 1874, p. 68–74.)

179

Orthoptera.

(Rec. Amer. entomology for 1873, ed. by A. S. Packard, jr., — Sixth annual rept. Peabody Acad. Sci. — Salem, Mass., [Sept.] 1874, p. 102–107.)

180

[Review of "Field ornithology," by Elliott Coues.]

(Atlantic monthly, Nov. [16 Oct.] 1874, v. 34, p. 626.)

181

Butterflies attracted by lamplight.

(Psyche, Nov. 1874, v. 1, p. 28.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 381–382.)

Nymphalis j-album attracted in great numbers by a light-house light.

182

Note sur l'œuf et le jeune age de la chenille d'*oeneis aello*.

Annales Soc. Entomologique de Belgique [Aug.], 1873, v. 16, p. 145–148, pl. 1.)

Separate, [Bruxelles, Aug.] 1873, 4 p., 1 pl., 25 × 16.5, t 19 × 10.5.

Notice, (Psyche, July–Aug. 1877 [12 Jan. 1878], v. 2, p. 57.)

183

Report on the butterflies collected by Mr. J. A. Allen on the Yellowstone Expedition of 1873.

(Proc. Bost. Soc. Nat. Hist., Nov. [9 Dec.] 1874, v. 17, p. 86–91.)

(Entomological notes, iv, by S. H. Scudder, p. 2–7.)

(Notes on the nat. hist. of portions of Montana and Dakota, being the substance of a rept. to the Secretary of War on the collections made by the North Pacific R. R. Expedition of 1873 . . . By J[oseph] A[saph] Allen, . . . Bost., 1874, p. 56–61.)

Notice, (Psyche, May 1875, v. 1, p. 71.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 394.)

Annotated list of 28 species of diurnal lepidoptera, description of a new species = *agriades minnehaha*.

Scudder, Samuel Hubbard.

184

The species of the lepidopterous genus *pamphila*.

(Mem. Bost. Soc. Nat. Hist., [16] Dec. 1874, v. 2, p. 341–353, pl. 10–11.)

Separate, with t.-p. cover, Bost., Dec. 1874, p. 341–353, pl. 10–11, 30 × 22.5, t 22 × 16.

Notice, (Canadian entomologist, Jan. 1875, v. 7, p. 20.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 393, 394.)

Notice, (Psyche, Feb. [6 March] 1876, v. 1, p. 142.)

Notice, (Archiv für Naturgeschichte, 1875, v. 41, ii, p. 251.)

Notes on the species, tables by which the males and females of the various species may be recognized. The second plate figures the male abdominal appendages of eight species.

185

[Abundance of *leucania unipuncta* in Massachusetts.]

(Canadian entomologist, Sept. 1875, v. 7, p. 178–179.)

(Annual rept. Entomological Soc. Ontario, for 1875, 1876, p. 14.)

186

[Report of a committee on nomenclature, consisting of S. H. Scudder, Charles V. Riley and William Saunders, appointed at the 1875 meeting of the Entomological Club of the American Association for the Advancement of Science.]

(Canadian entomologist, Oct. 1875, v. 7, p. 183.)

(Annual rept. Entomological Soc. Ontario for 1875, 1876, p. 16.)

187

[Memorial of the American Academy of Arts and Sciences to the General Court urging a new and thorough scientific survey of the commonwealth of Massachusetts.]

(Proc. Amer. Acad. Arts and Sci., 1874, v. 9, [n. s., v. 1], p 184–186.)

House doc. [Mass.], April 1874, no. 266, 4 p. 22.5 × 14, t 18 × 10.

(House doc. [Mass.], Jan. 1875, no. 40, p. 59–61.)

(Rept. of special committee of the State Board of Educ. on the proposed scientific survey . . . [of Mass.], Bost., . . . 1875 [same as House doc., no. 40], p. 59–61.)

188

Report of special committee [of experts, to a committee of the State Board of Education, on a proposed scientific survey of Massachusetts].

(Rept. State Board Educ. on the proposed survey of the commonwealth, . . . Bost., 1874 [4 Jan. 1875], p. 14–16.)

(House doc. [Mass.], Jan. 1875, no. 40, p. 12–14.)

(Rept. of special committee of the State Board of Educ. on the proposed scientific survey . . . [of Mass.], Bost., . . . 1875 [same as House doc., no. 40], p. 12–14.)

189

List of the documents of the General Court, relating to the former [scientific] survey [of Massachusetts].

(Rept. State Board Educ. on the proposed survey of the commonwealth, . . . Bost., 1874 [4 Jan. 1875], p. 18–19.)

(House doc. [Mass.], Jan. 1875, no. 40, p. 62–63.)

(Rept. of special committee of the State Board of Educ. on the proposed scientific survey . . . [of Mass.], Bost., . . . 1875 [same as House doc., no. 40], p. 62–63.)

190

[On the organization and conduct of a scientific survey in Massachusetts.]

(House doc. [Mass.], Jan. 1875, no. 40, p. 39–42, 48, 49.)

(Rept. of special committee of the State Board of Educ. on the proposed scientific survey . . . [of Mass.], Bost., . . . 1875 [same as House doc., no. 40], p. 39–42, 48, 49.)

Remarks at a meeting before a committee of the State Board of Education of Massachusetts.

191

[*Glaucopsyche couperi.*]

(Canadian entomologist, Jan. 1875, v. 7, p. 18.)

Notice, (Psyche, May [14 April] 1876, v. 1, p. 164.)

192

Synonymic list of the butterflies of North America, north of Mexico. Part i. *Nymphales.*

(Bull. Buffalo Soc. Nat. Sci. Feb. 1875, v. 2, p. 233–269.)

Notice, (Psyche, Aug. [8 July] 1875, v. 1, p. 94–95.)

Crit. rev., (Entomologische Zeitung, . . . zu Stettin, Jan.–March 1876, v. 37, p. 32–41.)

Notice, (Zool. rec. for 1875, 1877, v. 12, p. 412, 413, 414, 415.)

Synoptic table of genera based principally upon the structure and ornamentation of the wings, p. 233–239; list exhibiting the classification, nomenclature, geographical distribution and larval food, p. 239–269. For continuation see S. H. Scudder's "Synon. . . . Part ii. *Rurales.*" [June 1876.]

193

Remarks on the old genus *callidryas.*

(Proc. Bost. Soc. Nat. Hist., Jan. [16 March] 1875, v. 17, p. 206–209.)

(Entomological notes, iv, by S. H. Scudder, p. 7–10.)

Notice, (Psyche, May 1875, v. 1, p. 71.)

Notice, (Zool. rec. for 1874, 1876, v. 11, p. 378, 379.)

Notes on *phoebis agarithe, callidryas eubule,* and *c. sennae,* and description of a new species, *aphurissa butleri.*

Scudder, Samuel Hubbard.

194

Historical sketch of the generic names proposed for butterflies: a contribution to systematic nomenclature.

(Proc. Amer. Acad. Arts and Sci., 1874 [1 April 1875], v. 10, p. 91–293.)

With t.-p. cover and t.-p., Salem, [Mass.], Naturalist's agency, [1 April] 1875, p. 91–293. 23.5 × 15, t 17.5 × 9.8.

Crit. rev., (Entomologist's monthly mag., June 1875, v. 12, p. 15–17.)

Notice, ([N. Y.] Tribune extra, lecture and letter series, no. 21, pamphlet ed., 1875, p. 75.)

Notice, (Hartford [Conn.] daily courant, 1875, v. 38, no. 197.)

Crit. rev., (Canadian entomologist, March 1876, v. 8, p. 41–52; May 1876, v. 8, p. 81–94; June 1876, v. 8, p. 113–119.)

Crit. rev., (Canadian entomologist, Dec. 1876, v. 8, p. 232–238.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 9.)

Notice, (Zool. rec. for 1875, 1877, v. 12, p. 403.)

195

A North Greenland butterfly.

(Psyche, April 1875, v. 1, p. 57–59.)

Notice, (Zool. rec. for 1875, 1877, v. 12, p. 413.)

Brenthis polaris from extreme northern latitudes.

196

Ocytes seminole in Massachusetts.

(Psyche, April 1875, v. 1, p. 64.)

197

Prothoracic glands in lepidopterous larvae.

(Psyche, April 1875, v. 1, p. 64.)

In larva of *argynnis cybele*.

198

[Structure of nests of trap-door spiders.]

(Proc. Bost. Soc. Nat. Hist., Dec. 1874, v. 17, p. 130.)

Notice, (Psyche, May 1875, v. 1, p. 71.)

199

Entomological notes. III. From the Proceedings of the Boston Society of Natural History, vol. xiii, 1870. [Bost., 2 June 1875.] 11 t.-p., 34 p., 21.5 × 14.5, t 14.5 × 9.

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 14.)

Contents: Description of the larva and chrysalis of *papilio eurymedon* Boisd., of California. p. 1-2; On the synonymy of *thecla calanus*, p. 3-7; On asymmetry in the appendages of hexapod insects, especially as illustrated in the lepidopterous genus *nisoniades* [with Edward Burgess], p. 7-31. 1 pl.; [On some recent remarks by Mr. Meldola upon *iphiclides ajax* (*papilio ajax* auct.)]. p. 32-33; [Ocelli in butterflies], p. 33-31. For more detailed notes see each separate title.

200

The tertiary *physopoda* of Colorado.

(Bull. U. S. Geol. Geog. Surv. Territories, [10 June] 1875, s. 2 [in v. 1], p. 221–223.)

Separate [Wash., 16 June 1875], 3 p., t 19.5 × 11.2.

Notice, (Psyche, Aug. 1876, v. 1, p. 190.)

Notice, (Zool. rec. for 1876, 1878, v. 13, Ins., p. 204.)

Describes 1 new genus and 3 new species.

201

The introduction of *danaida plexippus* into the Pacific islands.

(Psyche, July 1875, v. 1, p. 81–84.)

Consists of a letter from Dr. Luther H. Gulick upon the introduction of this species into the Sandwich and other islands, and notes upon the same subject by Mr. Scudder.

202

The note of the katydid.

(Psyche, Aug. [8 July] 1875, v. 1, p. 93–94.)

Figures notes of *cyrtophyllus concavus*.

203

Notes on orthoptera from northern Peru, collected by Professor James Orton.

(Proc. Bost. Soc. Nat. Hist., March [12 July] 1875, v. 17, p. 257–282.)

(Entomological notes, iv, by S. H. Scudder, p. 11–36.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 9–10.)

Notice, (Annuario della società dei naturalisti in Modena, 1877 [s. 2, v. 10], p. 422.)

Notice, (Zool. rec. for 1875, 1877, v. 12, p. 488, 489, 492, 493, 494, 495.)

Enumerates 46 species, including two not from Peru. Describes . . . 10 new genera, 35 new species. — *Psyche.*

204

Description of some Labradorian butterflies.

(Proc. Bost. Soc. Nat. Hist., March–April [12 July] 1875, v. 17, p. 294–314.)

(Entomological notes, iv, by S. H. Scudder, p. 37–57.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 10.)

Notice, (Annuario della società dei naturalisti in Modena, 1877 [s. 2, v. 10], p. 423.)

Notice, (Zool. rec. for 1875, 1877, v. 12, p. 412–413.)

Describes in detail *brenthis triclaris*, *b. charielea*, *b. freija*, *b. polaris*, *b. frigga*, and *agriades aquilo*.

205

Memoirs of the American Association for the Advancement of Science. I. Salem, Mass. F. W. Putnam, Permanent Secretary, A. A. A. S. [Aug.] 1875. ‖ Fossil Butterflies. [12 +] 99 p., 3 pl., 31 × 26, t 20 × 15.4.

Notice, (Amer. naturalist, Sept. 1875, v. 9, p. 526–527.)

Scudder, Samuel Hubbard.

Notice, (Trans. Entomological Soc. Lond., 1875, Proc., p. 49; 1876, Proc., p. 52.)

Rev. (Amer. journ. sci. and arts, Jan. 1876, s. 3, v. 11, p. 74–75.)

Rev., (Amer. naturalist, Jan. 1876, v. 10, p. 53; Feb. 1876, v. 10, p. 106–107.)

Rev., (Archives des sciences physiques et naturelles, Jan. 1876, n. s., v. 55, p. 102–103; Sept. 1876, n. s., v. 57, p. 91–92.)

Notice, (Psyche, Aug. 1876, v. 1, p. 191; Sept. [10 Nov.] 1876, v. 1, p. 196.)

Notice and extract, (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1877, p. 445–447.)

Notice, (Zool. rec. for 1875, 1877, v. 12, p. 404, 410, 414, 418.)

After describing the fossils with minuteness, and elaborately comparing them with related forms now living, the author discusses the comparative age of fossil butterflies, the probable food-plants of tertiary caterpillars, and the present distribution of butterflies most nearly allied to the fossil species, besides noticing such insects as have been erroneously referred in recent times to butterflies. — *Amer. naturalist.*

206

A century of orthoptera. Decade ii. — *Locustariae.*

(Proc. Bost Soc. Nat. Hist., July [Sept.] 1875, v. 17, p. 454–462, 5 fig.)

(Entomological notes, iv, by S. H. Scudder, p. 57–65, fig. 1–5.)

(A century of orthoptera [1879], by S. H. Scudder, p. 7–15.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 10–11.)

Describes 3 new genera and 10 new species.

207

Spharagemon, — a genus of *oedipodidae;* with a revision of the species.

(Proc. Bost. Soc. Nat. Hist., July [Sept.] 1875, v. 17, p. 467–471.)

(Entomological notes, iv, by S. H. Scudder, p. 66–70.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 11.)

Notice, (Zool. rec. for 1875, 1877, v. 12, p. 494.)

Describes *spharagemon*, new genus, and 3 new species of *spharagemon;* synopsis of the species of the genus with synonymy and references.

208

A century of orthoptera. Decade iii. — *Acrydii* (*pezotettix*, *caloptenus*).

(Proc. Bost. Soc. Nat. Hist., July [Sept.] 1875, v. 17, p. 472–478.)

(Entomological notes, iv, by S. H. Scudder, p. 71–77.)

(A century of orthoptera [1879], by S. H. Scudder, p. 16–22.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 11.)

Notice, (Zool. rec. for 1875, 1877, v. 12, p. 488, 494.)

Describes 10 new species, all from the United States.

209

Revision of two American genera of *oedipodidae.*

(Proc. Bost. Soc. Nat. Hist., July [Sept.] 1875, v. 17, p. 478–485.)

(Entomological notes, iv, by S. H. Scudder, p. 77–84.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v, 2, p. 11.)

Describes 1 new genus and 3 new species; synopsis and synonymy of 3 species of *encoptolophus* (new genus) and of 4 species of *tragocephala;* dimorphism and geographical variations of *t. viridifasciata* = *t. virginiana* + *t. infuscata.*

210

A century of orthoptera. Decade iv. — *Acrydii.*

(Proc. Bost. Soc. Nat. Hist., Aug. [Sept.] 1875, v. 17, p. 510–517.

(Entomological notes, iv, by S. H. Scudder, p. 84–91.)

A century of orthoptera [1879], by S. H. Scudder, p. 22–29.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 11.)

Notice, (Zool. rec. for 1875, 1877, v. 12, p. 488, 494.)

Describes 2 new genera and 10 new species, all from the United States.

211

Entomological notes. iv. Reprinted from the Proceedings of the Boston Society of Natural History, vol. xvii, 1874–5. Bost., Press of A. A. Kingman, [7 Aug.] 1875. 91 p. [t.-p. = p. 1], 24 × 15, t 14 5 × 9.

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 15.)

Contents: Report on the butterflies collected by Mr. J. A. Allen on the Yellowstone Expedition of 1873 p. 2–7; Remarks on the old genus *callidryas*, p. 7–10; Notes on orthoptera from northern Peru, collected by Professor James Orton, p. 11–35; Description of some Labradorian butterflies, p. 37–57; A century of orthoptera. Decade ii. — *Locustariae*, p. 57–65; Spharagemon, — a genus of *oedipodidae;* with a revision of the species, p. 66–70; A century of orthoptera. Decade iii. — *Acrydii* (*pezotettix*, *caloptenus*), p. 71–77; Revision of two American genera of *oedipodidae*, p. 77–84; A century of orthoptera Decade iv. — *Acrydii* p. 84–91. For more detailed notes see each separate title.

212

Notice of the butterflies and orthoptera, collected by Mr. George M. Dawson, as naturalist of the B. N. A. Boundary Commission.

(Rept. on the geol. and resources of the region in the vicinity of the 49th parallel, . . . by G. M. Dawson, addressed to Maj. D. R. Cameron Montreal, Dawson Bros., [14 Sept.] 1875. Appendix D., p. 341–345.)

Separate [Montreal, 22 Sept. 1875.], 5 p., t 18 5 × 10.8.

Notice, (Psyche, May–June [9 July] 1877, v. 2, p. 45.)

Notice, (Zool. rec. for 1875, 1877, v. 12, p. 488, 495.)

Notes on 22 species of butterflies and on 15 species of orthoptera; descriptions of 4 new species of orthoptera.

213

The structure and transformations of *eumaeus atala.*

(Mem. Bost. Soc. Nat. Hist., [11 Oct.] 1875, v. 2, p. 413–419, part of pl. 14.)

Separate, in t.-p. cover with "On gynandromorphism in the lepidoptera," by Alpheus S. Packard, jr., Bost., [Oct.] 1875, p. 413–419, part of pl. 14, 30 × 22.5, t 22 × 16.

Notice, (Psyche, Feb. [6 March] 1876, v. 1, p. 142.)

Notice, (Trans. Entomological Soc. Lond., 1876, Proc., p. 69.)

See also S. H. Scudder's "On *eumenia atala.*" [Nov. 1875.]

214

[Remarks on some remains of insects occurring in carboniferous shale at Cape Breton.]

(Proc. Bost. Soc. Nat. Hist., [30] Oct. 1875, v. 18, p. 113–114.)

(Entomological notes, v, by S. H. Scudder, p. 2–3.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 12.)

Notice, (Zool. rec. for 1875, 1877, v. 12, p. 489.)

Notice of a fossil odonat larva, possibly that of *haplophlebium barnesii.* and of some previously found related fossils.— *Psyche.*

215

Brief contributions to zoology from the museum of Yale College. No. xxxvi.—On the post-pliocene fossils of Sankoty Head, Nantucket Island [Massachusetts]; by A. E. Verrill; with a note on the geology [p. 365–366]; by S. H. Scudder.

(Amer. journ. sci. and arts, Nov. 1875, s. 3, v. 10, p. 364–375.)

Similar to S. H. Scudder's "[On the post-pliocene fossils and the geology of Sankoty Head, Nantucket, Massachusetts.]" [Jan. 1876.]

216

The chirp of the mole-cricket.

(Psyche, Oct. [12 Nov.] 1875, v. 1, p. 105–106, il.)

(Amer. naturalist, Feb. 1876, v. 10, p. 97–98, il.)

Figures notes of *gryllotalpa borealis.*

217

On *eumenia atala.*

(Psyche, Nov. [10 Dec.] 1875, v. 1, p. 120.)

On larvae and pupae of this butterfly. See also S. H. Scudder's "The structure and transformations of *eumaeus atala.*" [Oct. 1875.]

218

[Note on distribution of *pyrameis cardui.*]

(Psyche, Dec. 1875 [12 Jan. 1876], v. 1, p. 123.)

219

[Note on distribution of *terias lisa.*]

(Psyche, Dec. 1875 [12 Jan. 1876], v. 1, p. 124.)

220

Chrysalis with attached larval head.

(Psyche, Jan. 1876, v. 1, p. 131–132.)

Chrysalis of *euphoeades troilus.*

221

[On the post-pliocene fossils and the geology of Sankoty Head, Nantucket, Massachusetts.]

(Proc. Bost. Soc. Nat. Hist., Jan. 1876, v. 18, p. 182–185.)

Similar to S. H. Scudder's "Brief contributions to zoology . . . On the post-pliocene fossils . . ." [Nov. 1875.]

222

Notice of a small collection of butterflies made by Mr. Roland Thaxter, on Cape Breton Island.

(Proc. Bost. Soc. Nat. Hist., Jan. 1876, v. 18, p. 188–190.)

(Entomological notes, v, by S. H. Scudder, p. 3–5.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 13.)

Notice, (Trans. Entomological Soc. Lond., 1877, Proc., p. 77.)

List of 14 species with notes on 5 of them.

223

Supplementary note on fossil myriapods.

(Mem. Bost. Soc. nat. hist., [2 March] 1878, v. 2, p. 561–562, il.)

See also S. H. Scudder's "[On the carboniferous myriapods preserved in the sigillarian stumps of Nova Scotia." [July 1873.]

224

Edward's Butterflies of North America.

(Amer. naturalist, Feb. 1876, v. 10, p. 108–109.)

Reviews v. 2, pt. 4. of W. H. Edwards' "Butterflies of North America."

225

Fossil orthoptera from the Rocky Mountain tertiaries.

(Bull. U. S. Geol. Geog. Surv. Terr., [8 Feb.] 1876, s. 2 [in v. 1], p. 447–449.)

With t.-p. cover, Wash., Feb. 8 1876, p. 447–449, t 20 × 11.2.

Notice, (Psyche, Aug. 1876, v. 1, p. 190.)

Notice, (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1876, p. 890.)

Notice, (Zool. rec. for 1876, 1878, v. 13, Ins., p. 211, 213, 214, 217, 218, 220.)

Describes 2 new species.

Scudder, Samuel Hubbard.

226

[Extract from a letter to Selys-Longchamps on *breyeria.*]

(Comptes rendus Soc. Entomologique Belg., 1876, s. 2, no. 21, p. 2.)

227

[Geographical distribution of *vanessa cardui* and *v. atalanta.*]

(Proc. Bost. Soc. Nat. Hist., Feb. 1876, v. 18, p. 201–202.)

Notice, (Amer. naturalist, Jan. 1876, v. 10, p. 61.)

Vanessa cardui probably indigenous to the American continent. — *Psyche*, Jan.-Feb. [8 June] 1877, v. 2, p. 11. See also S. H. Scudder's "A cosmopolitan butterfly." [July 1876.]

228

Odoriferous glands in *phasmidae.*

(Psyche, Feb. [6 March] 1876, v. 1, p. 137–140.)

Notice, (Zool. rec. for 1876, 1878, v. 13, Ins., p. 215.)

229

[Bibliographical record of] Henri de Saussure et A. Humbert. — Mission scientifique au Mexique et dans l'Amerique Centrale, . . .

(Psyche, Feb. [6 March] 1876, v. 1, p. 142–143.)

230

Habits and forms of *caloptenus spretus.*

(Psyche, Feb. [6 March] 1876, v. 1, p. 144.)

231

Marschall's Nomenclator zoologicus.

(Amer. naturalist, March 1876, v. 10, p. 169–170.)

Critical review of Count August Marschall's "Nomenclator zoologicus, continens nomina systematica generum animalium . . . Vindobonae, 1873."

232

New and interesting insects from the carboniferous of Cape Breton.

(Proc. Amer. Assoc. for the Advancement of Sci., 1875 [10 March 1876], [v. 24] n, p. 110–111, fig. 1–2.)

(Canadian naturalist, [27 April] 1876, n. s., v. 8, p. 88–90, fig. 1–2.)

Separate, [from Can. nat., Montreal, 27] April 1876, [2 p.], fig. 1–2, t 17 × 9.

Notice, (Amer. journ. sci. and arts, June 1876, s. 3, v. 11, p. 494.)

Notice, (Psyche, Aug. 1876, v. 1, p. 192; March–April [24 Sept.] 1878, v. 2, p. 128.)

Notice, (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1876, p. 582.)

Notice, (Zool. rec. for 1876, 1878, v. 13, Ins., p. 211, 214.)

233

[The insect, by Jules Michelet: a review.]

(Atlantic monthly, April [18 March] 1876, v. 37, p. 495–497.)

234

Fossil coleoptera from the Rocky Mountain tertiaries.

(Bull. U. S. Geol. Geog. Surv. Terr., [21 March 1876, v. 2, p. 77–87.)

With t.-p. cover, Wash., March 21 1876, p. 77–87, t 20 × 11.2.

Notice, (Psyche, Aug. 1876, v. 1, p. 190–191.)

Notice, (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1876, p. 890.)

[Notice, Zool. rec. for 1876, 1878, v. 13, Ins., p. 10, 11.]

Describes 2 new new genera and 30 new species.

235

Pieris rapae in mid-ocean.

(Psyche, March [13 April] 1876, v. 1, p. 152.)

236

Mimicry [between butterflies].

(Psyche, April 1876, v. 1, p. 160.)

Between *basilarchia disippe, danaus plexippus* and *d. berenice:* between the African *diadema bolina* and *danaus chrysippus.*

237

The North American blue butterflies of the genus *nomiades.*

(Canadian entomologist, Feb. [20 April] 1876, v. 8, p. 21–24.)

Notice, (Psyche, Jan. 1879, v. 2, p. 208.)

238

The relationship of the early spring blues.

(Canadian entomologist, April [15 May] 1876, v. 8, p. 61–66.)

Separate, London, Ont., April [24 June] 1876, 6 p., t 17.2 × 10.5.

Notice, (Psyche, Feb. 1879, v. 2, p. 215.)

Suggests that the blue butterflies of early spring may be different forms of a single species: the seasons of the New England species of *cyaniris* are given in an appendix.

239

Synonymic list of the butterflies of North America, north of Mexico. Part ii. *Rurales.*

(Bull. Buffalo Soc. Nat. Sci., [8 June] 1876, v. 3, p. 98–129.)

Synoptic table of genera, p. 99–101; list exhibiting the classification, nomenclature, geographical distribution and larval food, p. 102–129.

240

A century of orthoptera. Decade v. — *Forficulariae* (exotic).

(Proc. Bost. Soc. Nat. Hist., May [10 June, 18 Aug.] 1876, v. 18, p. 251–257.)

(Entomological notes, v, by S. H. Scudder, p. 6–12.)

(A century of orthoptera, by S. H. Scudder [1879], p. 30–36.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 13.)

Notice, (Zool. rec. for 1876, 1878, v. 13, Ins., p. 211.)

Describes 10 new species from South America and Africa.

Scudder, Samuel Hubbard.

241

Brief synopsis of North American earwigs [*forficulariae*], with an appendix on the fossil species.

(Bull. Geol. Geogr. Surv. Terr., June 1876, v. 2, p. 249–260.)

Separate, with t.-p. cover [together with "List of the orthoptera . . . A. S. Packard . . ." and "Notice of a small collection of butterflies made by Dr. A. S. Packard . . ."] Wash., June 6, 1876, p. 249–260, 23 × 15, t 19 × 11.2.

Notice, (Psyche, Aug. 1876, v. 1, p. 191.)

Notice, (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1876, p. 890–891.)

Notice, (Trans. Entomological Soc., Lond., 1877, Proc., p. 71.)

Notice, (Zool. rec. for 1876, 1878, v. 13, Ins., p. 212.)

Describes *labidura lithophila*, a new fossil species.

242

List of the orthoptera collected by Dr. A. S. Packard in Colorado and the neighboring territories, during the summer of 1875.

(Bull. Geol. Geogr. Surv. Terr., June 1876, v. 2, p. 261–267.)

Separate, with t.-p. cover [together with "Brief synopsis of North American earwigs . . ." and "Notice of a small collection of butterflies made by Dr. A. S. Packard . . ."], Wash., June 6, 1876, p. 261–267, 23 × 15, t 19 × 11.2.

Notice, (Psyche, Aug. 1876, v. 1, p. 191.)

Notes on 29 species, description of 4 new genera and 7 new species.

243

Notice of a small collection of butterflies, made by Dr. A. S. Packard, in Colorado and Utah, in 1875.

(Bull. Geol. Geogr. Surv. Terr., June 1876, v. 2, p. 269–270.)

Separate, with t.-p. cover [together with "Brief synopsis of North American earwigs, . . ." and "List of orthoptera collected by Dr. A. S. Packard . . ."], Wash., June 6, 1876, p. 269–270, 23 × 15, t 19 × 11.2.)

Notice, (Psyche, Aug. 1876, v. 1, p. 191.)

Notes on 33 species.

244

A cosmopolitan butterfly. I. Its birthplace. II. Its natural history.

(Amer. naturalist, July 1876, v. 10, p. 392–396; Oct. 1876, v. 10, p. 602–611.)

Separate, entitled, A cosmopolitan butterfly. Its birthplace and natural history. Cambridge, Printed at the Riverside Press, [Oct.] 1876, 14 p., 24.5 × 15, t 18 × 10.2.

Notice, (Trans. Entomological Soc. Lond., 1877, Proc., p. 59.)

Notice, (Psyche, Sept.–Dec. [31 Dec.] 1878, v. 2, p. 193, 194.)

Treats of *vanessa cardui*.

245

Prothoracic tubercles in butterfly caterpillars.

(Psyche, May [21 July] 1876, v. 1, p. 168.)

246

Guadalupe orthoptera and butterflies.

(Psyche, May [21 July] 1876, v. 1, p. 168.)

247

Report of the general secretary.

(Proc. Amer. Assoc. for the Advancement of Sci., 1875 [v. 24], [18 July 1876] B., p. 339–353.)

248

Synoptical tables for determining N. A. insects. Orthoptera.

(Psyche, June [22 July] 1876, v. 1, p. 169–171.)

Notice, (Trans. Entomological Soc. Lond., 1877, Proc., p. 71.)

Synopsis of the families of orthoptera. list of useful works in the study of North American orthoptera.

249

Synoptical tables for determining N. A. insects. Orthoptera — U. S. *forficulariae*.

(Psyche, July [21 Aug.] 1876, v. 1, p. 177–178.)

Synoptic table of 13 species of *forficulariae*, list of books useful in their study.

250

A century of orthoptera. Decade vi. — *Forficulariae* (N. American).

(Proc. Bost. Soc. Nat. Hist., May [18 Aug.] 1876, v. 18, p. 257–264.)

(Entomological notes, v, by S. H. Scudder, p. 12–19.)

A century of orthoptera, by S. H. Scudder [1879], p. 36–43.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 13.)

Notice, (Zool. rec. for 1876, 1878, v. 13, Ins., p. 211.)

Describes 10 new species.

251

The mode in which cockroaches and earwigs fold their wings.

(Amer. naturalist, Sept. 1876, v. 10, p. 521–529, fig. 29–41.)

Rev., (Zool. rec. for 1876, 1878, v. 13, p. 211.)

Notice, (Trans. Entomological Soc. Lond., 1877, Proc., p. 71.)

Notice, (Psyche, Sept.–Dec. [31 Dec.] 1878, v. 2, p. 193.)

Notice, (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1878, p. 969.)

252

Mimicry in butterflies explained by natural selection.

(Amer. naturalist, Sept. 1876, v. 10, p. 534–536.)

Notice, (Psyche, Sept.–Dec. [31 Dec.] 1878, v. 2, p. 193.)

Is mainly a review of Fritz Mueller's "Einige Worte ueber *Leptalis* (Jenaische Zeitschrift f. Wissenschaft, 1876, v. 10 [n. s., v. 3], p. 1-12.)

Scudder, Samuel Hubbard.

253

Description of three species of *labia* from the Southern United States.

(Proc. Bost. Soc. Nat. Hist., May [18 Aug.] 1876, v. 18, p. 265–268.)

(Entomological notes, v, by S. H. Scudder, p. 20–23.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 13.)

254

Orthoptera from the island of Guadalupe.

(Proc. Bost. Soc. Nat. Hist., May [18 Aug.] 1876, v. 18, p. 268–271.)

(Entomological notes, v, by S. H. Scudder, p. 23–26.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 13.)

Notice, (Zool. rec. for 1876, 1878, v. 13, Ins., p. 211, 220.)

Describes 4 new species.

255

Critical and historical notes on *forficulariae:* including descriptions of new generic forms and an alphabetical synonymic list of the described species.

(Proc. Bost. Soc. Nat. Hist., July–Oct. [18 Aug.–25 Oct.] 1876, v. 18, p. 287–332.)

(Entomological notes, v, by S. H. Scudder, p. 27–72.)

Notice, (Trans. Entomological Soc. Lond., 1876, Proc., p. 66; 1877, Proc., p. 72.)

Notice, (Zool. rec. for 1876, 1878, v. 13, Ins., p. 212–213.)

Explanation and tabulation of the synonymy of the group; examination of all the generic names previously proposed for members of the family, to determine their validity and proper use. Treats of 36 generic names; establishes *anechura, carcinophora, labidophora* (in place of *platylabia* excluded), *typhlolabia* = 4 new genera. Enumerates 251 species, with synonymy and localities. — *Psyche,* Jan.–Feb. [8 June] 1877, v. 2, p. 13–14.

256

Entomological notes. v. Reprinted from the Proceedings of the Boston Society of Natural History, vol. xviii, 1875–76. Bost., Press of A. A. Kingman, [6 Nov.] 1876. 72 p. [p. 1 = t.-p.], 24.5 × 15.5, t 15 × 9.

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 15.)

Notice, (Bulletino della società entomologica italiana, April–June [8 July] 1878 [v. 10], p. 156.)

Contents: Remarks on some remains of insects occurring in carboniferous shale at Cape Breton, p. 2–3; Notice of a small collection of butterflies made by Mr. Roland Thaxter, on Cape Breton island, p. 3–5; A century of orthoptera. Decade v. — *Forficulariae* (exotic), p. 6–12; A century of orthoptera. Decade vi. — *Forficulariae* (N. American), p. 12–19; Description of three species of *labia* from the southern United States, p. 20–23; Orthoptera from the island of Guadalupe, p. 23–25; Critical and historical notes on *forficulariae;* including . . . p. 27–72. For more detailed notes see each separate title.

257

Fossil palæozoic insects (with a list of described American insects from the carboniferous formation).

(Geol. mag., 1876, [n. s.] decade 2, v. 3, p. 519–520.)

Rev., (Trans. Entomological Soc. Lond., 1876, Proc., p. 53.)

List of 30 species; 8 orthoptera, 11 neuroptera, 4 arachnida, 7 myriapoda.

258

[Note on the close affiliation of the insects of Europe and America in the carboniferous epoch.]

(Proc. Bost. Soc. Nat. Hist., Dec. 1876, v. 18, p. 358–359.)

Notice, (Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 14.)

259

Report on the orthoptera collected by the United States geographical surveys west of the one hundredth meridian, under the direction of Lieutenant George M. Wheeler, during the season of 1875.

(Annual rept. Chief of Engineers to the Secretary of War for 1876, part 3, Wash., Gov't printing office, 1876, p. 498–515.)

(Annual rept. geogr. surv. west of the 100th meridian in Cal., Nev., Utah, Col., Wyom., N. Mex., Ariz. and Mont., by Geo. M. Wheeler, . . . being appendix JJ of the Annual rept. Chief of Engineers for 1876, Wash., Govt. printing office, 1876, p. 278–295.)

With t.-p. cover and t.-p., entitled, Report upon the orthoptera collected by the expedition for geographical surveys west of the 100th meridian during field-season of 1875, Lieut. Geo. M. Wheeler, . . . in charge, . . . being extract from appendix JJ of the Annual report of the chief of Engineers for 1876, Wash., Gov't printing office, 1876 [12 Jan.] 1877, p. 497–515, 22.5 × 14.5, t 19 × 11.

Notice, (Annual rept. Entomological Soc. Ontario for 1877, p. 21.)

Notice, (Trans. Entomological Soc. Lond., 1877, Proc., p. 71.)

Notice, (Zool. rec. for 1876, 1878, v. 13, Ins., p. 211, 216, 217, 219, 220.)

Describes 6 new genera and 25 new species; notes on 50 species; synoptic table of the genera of *oedipodidae.*

260

Memoirs of the geological survey of Kentucky.

(Amer. naturalist, March 1877, v. 11, p. 165–167.)

Review of v. 1 (1876) of the memoirs.

261

[Notice of the occurrence of *myrmecophila* in America.]

(Amer. naturalist, March 1877, v. 11, p. 190–191.)

262

[Note on the fossil ants from South Park, Colorado.]

(Amer. naturalist, March 1877, v. 11 p. 191.)

263

A flight of butterflies.

(Amer. naturalist, April 1877, v. 11, p. 244–245.)

A sketch, describing a flight of butterflies seen near Boston, by Wm. Edwards, followed by notes on similar migrations by Mr. Scudder. — *Psyche*, Sept.-Dec. [31 Dec.] 1878, v. 2, p. 195.

264

A century of orthoptera. Decade vii. — Acrydii.

(Proc. Bost. Soc. Nat. Hist., March–April 1877, v. 19, p. 27–35.)

(Entomological notes, vi, by S. H. Scudder, p. 5–13.)

(A century of orthoptera by S. H. Scudder [1879], p. 44–52.)

265

The insects of the tertiary beds at Quesnel [British Columbia].

(Rept. progress Geol. Surv. Canada, 1875–1876, 1877, 266–280.)

Separate, with t.-p. cover [Montreal, 15 April 1877], 15 p., 23.5 × 16, t 17.5 × 10.7.

Notice, (Amer. journ. sci. and arts, Oct. 1877, s. 3, v. 14, p. 322–323.)

Notice, (Amer. naturalist, June 1877, v. 11, p. 374–375.)

Notice, (Trans. Entomological Soc. Lond., 1877, Proc., p. 42–43.)

Notice (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1878, p. 107.)

Fr. tr., entitled, Les insectes des lits tertiaires de Quesnel, (Rapp. opér. Comm. Géol. Can., 1875–1876, Ottawa, 1877, p. 294–310.)

Describes several new genera and species of fossil insects. See also S. H. Scudder's "Additions to the insect fauna of the tertiary beds at Quesnel."

266

[Harmonious tints of insects and vegetation.]

(Atlantic monthly, May [20 April] 1877, v. 39, p. 618–619.)

267

New forms of saltatorial orthoptera from the southern United States.

(Proc. Bost. Soc. Nat. Hist., April 1877, v. 19, p. 35–41.)

(Entomological notes, vi, p. 13–19.)

268

Antigeny, or sexual dimorphism in butterflies.

(Proc. Amer. Acad. Arts and Sci., 1877, v. 12, p. 150–158.)

Separates, with t.-p., [Bost., 10 May] 1877, p. 150–158, 24 × 15, t 16.5 × 9.7.

Notice, (Amer. journ. sci. and arts, Sept. 1877, s. 3, v. 14, p. 244–245.)

Abstract, (Annals and mag. nat. hist., Feb. 1878, s. 5, v. 1, p. 184.)

269

The tube-constructing ground-spider of Nantucket.

(Psyche, Jan.–Feb. [8 June] 1877, v. 2, p. 2–9.)

Life-history and description of *lycosa arenicola*, a new species of spider from Nantucket, Massachusetts.

270

A brief comparison of the butterfly faunas of Europe and eastern North America, with hints concerning the derivation of the latter.

(Proc. Amer. Assoc. for the Advancement of Sci., 1876 [1877], [v. 25] p. 268–273.)

271

[Exhibition of a card catalogue of illustrations of insects.]

(Psyche, May–June [9 July] 1877, v. 2, p. 40.)

272

On the classification of butterflies with special reference to the position of the equites or swallow-tails.

(Trans. Amer. Entomological Soc., June 1877, v. 6, p. 69–80, 1 fig.)

Separate, with t.-p. cover, Phil., June [12 July] 1877, p. 69–80, 1 fig., 24.5 × 16, t 17 × 9.7.

Rev., (Trans. Entomological Soc. Lond., 1877 Proc., p. 43–44.)

Notice, (Bulletino della società entomologica italiana, April–June [8 July] 1878 [v. 10], p. 154.)

273

A list of Alpine serials.

(Appalachia, June [July] 1877, v. 1, p. 198–199.)

A list of serials of all parts of the world devoted to mountains and mountaineering.

274

The first discovered traces of fossil insects in the American tertiaries.

(Bull. U. S. Geol. Geogr. Surv. Terr., [15 Aug.] 1877, v. 3, p. 741–762.)

Separate, with t.-p. cover, together with "Description of two species of *carabidae* . . ." entitled, "On the first . . ." Wash., Aug. 15, 1877, p. 741–762, 23 × 15, t 19 × 11.2.

Notice, (Amer. journ. sci. and arts, Oct. 1877, s. 3, v. 14, p. 322–323.)

Notice, (Psyche, Nov.–Dec. 1877 [12 April 1878], v. 2, p. 93.)

Notice, (Trans. Entomological Soc. Lond., 1877, Proc., p. 42.)

Describes 3 new species of hymenoptera, 24 new species and 5 new genera of diptera, 4 new species of homoptera, 1 of heteroptera, 1 of neuroptera.

Scudder, Samuel Hubbard.

275

Description of two species of *carabidae* found in the interglacial deposits of Scarboro' Heights, near Toronto, Canada.

(Bull. U. S. Geol. Geogr. Surv. Terr., [15 Aug.] 1877, v. 3, p. 763–764.)

Separate, with t.-p. cover, together with "The first discovered traces of fossil insects in the American tertiaries," entitled, "On two new *carabidae* from . . ." Wash., Aug. 15, 1877, p. 763–764, 23 × 15, t 19 × 11.2.

Notice, (Psyche, Nov.–Dec. 1877 [12 April 1878], v. 2, p. 94.)

276

[On the phenomena of circulation in insects.]

(Proc. Bost. Soc. Nat. Hist., June [18 July] 1877, v. 19, p. 77–79.)

(Popular sci. rev., 1878, n. s., v. 17, p. 445–446.)

(Entomological notes, vi, by S. H. Scudder, p. 19–21.)

277

The Florida orthoptera collected by Mr. J. H. Comstock.

(Proc. Bost Soc. Nat. Hist., July [7 Sept.] 1877, v. 19, p. 80–94.)

(Entomological notes, vi, by S. H. Scudder, p. 21–35.)

Describes 1 new genus and 11 new species, and gives notes on 35 others.

278

[Review of Dr. A. S. Packard's Half hours with insects.]

(Atlantic monthly, Sept. [20 Aug.] 1877, v. 40, p. 380.)

279

Attitudes in which some wasps are supposed to sleep.

(Psyche, May–June [9 July] 1877, v. 2, p. 40.)

280

[Note on the wing of a cockroach from the carboniferous formation of Pittston, Penn.]

(Proc. Bost. Soc. Nat. Hist., Nov. 1877–Jan. 1878 [5 Dec. 1877–19 Feb. 1878], v. 19, p. 238–239.)

(Entomological notes, vi, by S. H. Scudder, p. 35–36.)

Describes *blattina fascigera* new species.

281

On the structure of the head of *atropos*.

(Psyche, July–Aug. 1877 [7 Jan. 1878], v. 2, p. 49–51.)

Crit. rev., (Psyche, Nov.–Dec. 1877 [12 April 1878], v. 2, p. 87–89.)

282

A year of exploration in North America. President's address before the Appalachian Mountain Club January 9, 1878. Bost., Press of A. A. Kingman, [22 Jan.] 1878, t.-p. cover + p. 207–242, 24.5 × 16, t 17.5 × 9.8.

Under the title, The annual address of the president, (Appalachia, Feb. 1878, v. 1, p. 207–243.)

A review of the explorations and surveys which were undertaken in North America during 1877. See also S. H. Scudder's "Geography of North America." [June 1878.]

283

Notice of the butterflies collected by Dr. Edward Palmer in the arid regions of southern Utah and northern Arizona during the summer of 1877.

(Bull. U. S. Geol. Geogr. Surv. Terr., Feb. 1878, v. 4, p. 253–258.)

Separate, with t.-p. cover, Wash., Feb. 5, [11] 1878, p. 253–258, 23 × 15, t 19 × 11.2.

Geographical notes on 40 (4 new) species.

284

A partial ascent of Sierra Blanca [Colorado].

(Appalachia, Feb. 1878, v. 1, p. 258–266, pl. 10.)

Record of an entomological excursion to Sierra Blanca, accompanied by a map of the region.

285

An insect-wing of extreme simplicity from the coal-formation.

(Proc. Bost. Soc. Nat. Hist., Jan. [19 Feb.] 1878, v. 19, p. 248–249.)

(Entomological notes, vi, by S. H. Scudder, p. 37–38.)

Notice, (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1878, p. 969.)

On a wing of a fossil may-fly, *euephemerites primordialis*.

286

[Lettre à M. de Selys sur l'*acridium peregrinum*.]

(Compte-rendu Soc. Entomologique Belg., 5 Jan. 1878, s. 2, no. 47, p. 12–13.)

See S. H. Scudder's Locusts in mid-ocean.

287

[Descriptions of the larvae of *sphingidae* in an article by Benjamin Pickman Mann, entitled, Descriptions of some larvae of lepidoptera, respecting *sphingidae* especially.]

(Psyche, Sept.–Oct. 1877 [8 March 1878], v. 2, p. 68, 73–75, 75, 67, 77, 78.)

Descriptions of larva of *philampelus satellitia, macrosila* (*sphinx*) *carolina, m.* (*sphinx*) *quinquemaculata, sphinx cinerea*?, *dolba hylaeus*? and *hyloicus plebeius*.

288

Notes on *eutermes rippertii*.

(Proc. Bost. Soc. Nat. Hist., March [3 April] 1878, v. 19, p. 275.)

(Entomological notes, vi, by S. H. Scudder, p. 39.)

On nests and habits of this species of white ant.

289

Remarks on *calliptenus* and *melanoplus*, with a notice of the species found in New England.

(Proc. Bost. Soc. Nat. Hist., March [3 April] 1878, v. 19, p. 281–286.)

(Entomological notes, vi, by S. H. Scudder, p. 40–45.)

Describes 2 new species; tabulates distinctions between *calliptenus* and *melanoplus*.

290

Brief notice of the American species of *melanoplus* found west of the one hundred and seventeenth meridian.

(Proc. Bost. Soc. Nat. Hist., March [3 April] 1878, v. 19, p. 286–290.)

(Entomological notes, vi, by S. H. Scudder, p. 45–49.)

Describes 4 new species.

291

Rhachura, a new genus of fossil crustacea.

(Proc. Bost. Soc. Nat. Hist., March [3 April] 1878, v. 19, p. 296–300, pl. 9, figs. 3 and 3a.)

(Entomological notes, vi, by S. H. Scudder, p. 50–54, pl. 9, figs. 3 and 3a.)

Notice, (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1878, p. 970.)

292

A carboniferous *termes* from Illinois.

(Proc. Bost. Soc. Nat. Hist., March [3 April] 1878, v. 19, p. 300–301.)

(Entomological notes, vi, by S. H. Scudder, p. 54–55.)

Notice, (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1878, p. 969–970.)

293

A plague of horse-flies.

(Psyche, Nov.–Dec. 1877 [12 April 1878], v. 2, p. 89.)

Abundance of *tabanus* and *stomoxys* in parts of Colorado.

294

An account of some insects of unusual interest from the tertiary rocks of Colorado and Wyoming.

(Bull. U. S. Geol. Geog. Surv. Terr., 3 [6] May 1878, v. 4, p. 519–543.)

Separate, with t.-p. cover, Wash., May 3, 1878, p. 519–543, 23 × 15, t 19 × 11.2.

Notice (Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, . . . G. Leonhard und H. B. Geinitz, 1878, p. 970.)

Describes 10 species, among them a butterfly; gigantic eggs of a sialid and cases of a phryganid.

295

Additions to the insect fauna of the tertiary beds at Quesnel (British Columbia).

(Rept. progress Geol. Surv. Canada, 1876–77, p. 457–464.)

Separate, with t.-p. cover, [Montreal, 2 June 1878], 8 p., 23 × 16, t 17.5 × 10.7.

Fr. tr., entitled, Additions à la faune entomologique des lits tertiaires de Quesnel, Colombie brittannique, (Rapp. opér. comm. géol. Canada, 1876–1877, 1878, p. 514–522.)

Describes 5 new species.

296

Geography of North America.

(Annual rec. sci. and industry for 1877, ed. by Spencer Fullerton Baird, N. Y., [June] 1878, p. 206–236.)

See S. H. Scudder's "A year of exploration in N. A. . . ." [Jan. 1878.] of which this is nearly an entire reprint, with slight additions.

297

Recent progress of entomology in North America. First annual address of the president [of the Cambridge Entomological Club].

(Psyche, Jan.–Feb. [14 June] 1878, v. 2, p. 97–116.)

"This review gives an account of the observations, during 1877, of forty-one different writers, including seven who have discussed injurious insects only."

298

On dimorphism in western acridians.

(Proc. Bost. Soc. Nat. Hist., July 1878, v. 19, p. 336.)

(Entomological notes, vi, by S. H. Scudder, p. 55.)

Many species have forms with marked differences in the length of the wings.

299

Entomological notes. VI. Reprinted from the Proceedings of the Boston Society of Natural History, vol. xix, 1877–78. Bost., Press of A. A. Kingman, [2 July] 1878. 55 p., 1 pl., 23.5 × 14.8, t 15 × 9.

Contents: Title-page, p. 1; Contents, p. 3; Index, p. 4; A century of orthoptera. Decade vii.—*Acrydii*, p. 5-13; New forms of saltatorial orthoptera from the southern United States, p. 13-19; On the phenomena of circulation in insects, p. 19-21; The Florida orthoptera collected by Mr. J. H. Comstock, p. 21-35; Note on the wing of a cockroach from the carboniferous formation of Pittston, Penn., p. 35-36; An insect wing of extreme simplicity from the coal-formation, p. 37-38; Note on *entermes rippertii*, p. 39; Remarks on *calliptenus* and *melanoplus*. . . . p. 40-45; Brief notice of the American species of *melanoplus* found west of the one hundred and seventeenth meridian, p. 45-49; *Rhachura*, a new genus of fossil crustacea, p. 50-54; A carboniferous *termes* from Illinois, p. 54-55; On dimorphism in western acridians, p. 55. For more detailed notes see each separate title.

300

Locusts in mid-ocean.

(Psyche, March–April [24 Sept.] 1878, v. 2, p. 124–125.)

Germ. tr., entitled, Heuschrecken auf dem Ocean, (Entomologische Nachrichten, Dec. 1878, v. 4, p. 313.)

Acridium peregrinum found 1200 miles from the nearest land. See also S. H. Scudder's Lettre a M. de Selys' . . . [1878].

Scudder, Samuel Hubbard.

301

Plantain beetles.

(Psyche, May–Aug. [8 Nov.] 1878, v. 2, p. 154.)

Dibolia aerea riddles leaves of *plantago.*

302

Orthoptera of Florida.

(Psyche, May–Aug. [8 Nov.] 1878, v. 2, p. 154.)

List of 20 species collected by Mr. Roland Thaxter. The list was furnished *Psyche* by Mr. Thaxter.

303

The fossil insects of the Green River shales.

(Bull. U. S. Geol. Geogr. Surv. Terr., Dec. 1878, v. 4, p. 747–776.)

Separate, with t.-p. cover, Wash., 1878 [2 Jan. 1879], 29 p., 23 × 15, t 19 × 11.2.

Describes 55 species, with notes on 17 others.

304

A cardinal grasshopper.

(Psyche, Sept.–Dec. [31 Dec.] 1878, v. 2, p. 189.)

Phylloptera rotundifolia of a vermillion hue.

305

List of butterflies collected in Florida by Dr. [Edward] Palmer.

(Psyche, Sept.–Dec. [31 Dec.] 1878, v. 2, p. 190.)

Enumerates 13 species of diurnal lepidoptera.

Abstract, (Science news, 15 Nov. 1878, v. 1, p. 22–23.)

Notice, (Scientific American, 23 Nov. 1878, v. 39, p. 330.)

Notice, (Nature, 24 April 1879, v. 19, p. 584.)

General considerations drawn from a study of palaeozoic insects. Abstracts were published before the memoir.

306

A century of orthoptera. Decade viii. — *Acridii* (*melanoplus*).

(Proc. Bost. Soc. Nat. Hist., Jan. [5 Feb.] 1879, v. 20, p. 63–75.)

(A century of orthoptera by S. H. Scudder [1879], p. 52–64.)

307

A century of orthoptera. Decade ix. — *Acridii* (*pezotettix*).

(Proc. Bost. Soc. Nat. Hist., Jan.–Feb. [5–27 Feb.] 1879, v. 20, p. 75–86.)

(A century of orthoptera, by S. H. Scudder [1879], p. 64–75.)

308

A century of orthoptera. Decade x. — *Locustariae* (*conocephalus*).

(Proc. Bost. Soc. Nat. Hist., Feb. 1879, v. 20, p. 87–95.)

(A century of orthoptera, by S. H. Scudder [1879], p. 76–84.)

309

The early types of insects: or the origin and sequence of insect life in palaeozoic times.

(Mem. Bost. Soc. Nat. Hist., March 1879, v. 3, p. 13–21.)

Abstract, (Amer. journ. sci. and arts, Jan. 1879, s. 3, v. 17. p. 72–74.)

310

A century of orthoptera. From the Proceedings of the Boston Society of Natural History, Vols. 12–20, Bost., Press of A. A. Kingman, [19 March] 1879, 84 p., il., 23 × 15, t 15 × 9.

The papers embraced in this were published as decades, from 1868 to 1879.

311

The fossil insects collected in 1877 by Mr. G. M. Dawson, in the interior of British Columbia.

(Rept. progress Geol. Surv. Canada, 1877–78, B, p. 176–186.)

Separate, with t.-p.cover, entitled, Insects from the tertiary beds of the Nicola and Similkameen rivers, British Columbia. [Montreal, 1879] 11 p., 24 5 × 16.5, t 17.5 × 10.5.

Describes 16 species.

IN PRESS.

Catalogue of scientific serials of all countries, including the transactions of learned societies, in the natural, physical, and mathematical sciences; 1633–1876. Cambridge, Mass., Library of Harvard University (Special publications I), 1879.

The serials are entered under 4390 numbers.

Palaeozoic cockroaches: a complete revision of the species of both worlds, with an essay toward their classification.

(Mem. Bost. Soc. Nat. Hist., 1879, v. 3, p. 23–—, pl. 2–6.)

About 60 species are enumerated and figured.

ADDENDA.

17¼

Wheat fly [*cecidomyia tritici*].

(New Amer. cyclopaedia, . . . 1863, v. 16, p. 380.)

17½

Wheat moth.

(New Amer. cyclopaedia, . . . 1863, v. 16, p. 380–381.)

On *tinea granella* and *butalis* (*gelechia*) *cerealella.*

17¾

Wood ibis [*tantalus loculator*].

(New Amer. cyclopaedia, . . . 1863, v. 16, p. 530.)

17⅞

Jeffries Wyman. [Biog. sketch.]
(New Amer. cyclopaedia, . . . 1863, v. 16, p. 579.)

ERRATA.

Page 3, to No. 26 add,
(Zoologist, 1865, v. 23, p. 9818–9819.)

Page 10, to No. 108 add,
(Philos. Mag., 1870, v. 39, p. 391.)

Page 16, no. 183, l. 11, for J[oseph] read J[oel].

DIMMOCK'S SPECIAL BIBLIOGRAPHIES.

PUBLISHED IRREGULARLY.

Nos. 1 and 2 are reprinted on title slips, 12.5×5 cm., in a style similar to that adopted by the Committee on Title Slips, appointed by the American Library Association. (See *The Library Journal*, 1878, v. 3, p. 113–115.)

The title slips were printed for the lists of Dr. LeConte's and Dr. Horn's papers, but hereafter the lists will be put on sale only in pamphlet form. Each reference is independent as heretofore, so that by cutting out the references and pasting them on title slips, one can have the advantages afforded by a title-slip system of bibliography.

JUST PUBLISHED.

No. 1. The Entomological Writings of John L. LeConte. Compiled by Samuel Henshaw. Edited by George Dimmock. Cambridge, Mass., Published by the Editor, Nov. 1878.

Contains a list, complete to date of publication, of the entomological writings of the well-known coleopterist, Dr. J. L. LeConte, of Philadelphia. The titles, 152 in number, are accompanied, where necessary, by notes, neither critical nor commendatory, of the contents of each article. Reprinted in *Psyche Advertiser*.

Price, Separate, 30 cents; on Title Slips, - - - - - - $1.25.

No. 2. The Entomological Writings of George H. Horn. Compiled by Samuel Henshaw. Edited by George Dimmock. Cambridge, Mass., Published by the Editor, Jan. 1879.

Contains a list, complete to date of publication, of the entomological writings of Dr. Horn, of Philadelphia. The titles are 80 in number. Reprinted in *Psyche Advertiser*.

Price, Separate, 20 cents; on Title Slips, - - - - - $0.50.

No. 3. The Writings of Samuel Hubbard Scudder. Compiled and edited by George Dimmock. Cambridge, Mass., Published by the Editor, Aug. 1879.

Price, Separate, - - - - - - - - - - - - - - $0.50.

For further particulars address

EDITORS OF PSYCHE,

Cambridge, Mass., U. S. A.

SMITHSONIAN INSTITUTION LIBRARIES

IGI '84

SMITHSONIAN INSTITUTION LIBRARIES
3 9088 00344741 4
nhent Z8803.D58X
The writings of Samuel Hubbard Scudder /